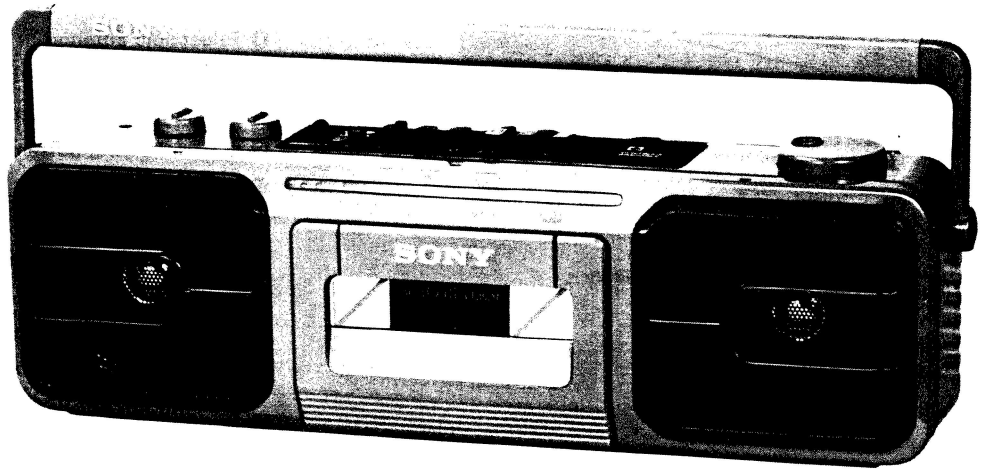
CFS-950

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model



SPECIFICATIONS

Radio section

Frequency range: FM 87.6–108 MHz
AM 530–1,605 kHz (566–187 m)
Antennas: FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Tape recorder section and general

Recording system: 4-track 2-channel stereo
Fast winding time: Approx. 2 min. with Sony cassette C-60
Frequency response: 80–8,000 Hz
Speakers: Full-range: 10 cm (4 inches) dia. × 2
Power output: USA model: 1 W + 1 W
Canada model: / AEP model: / UK model: } 2 W + 2 W
(at 10 harmonic distortion) at dc operation
Inputs: Two external microphone input jacks (minijacks) sensitivity 0.44 mV (–65 dB) for low impedance microphone
Output: Headphones jack (stereo minijack) for 8–300-ohm impedance headphones
Power requirements:
9 V dc, six batteries size C (IEC designation R14)
DC IN 9 V jack accepts: supplied ac power adaptor for use on 120 V ac, 60 Hz (US, Canadian model), 220 V ac, 50 Hz (AEP model), 240 V ac, 50 Hz (UK model)
DCC-120 car battery cord (optional) for use on 12 V car battery
Power consumption: 14 W ac
Battery life

Batteries	FM Recording
Eveready No. E93 Alkaline	14
Eveready No. 1235 Heavy Duty	7

(hours)

For maximum performance we recommend the use of alkaline batteries.

Dimensions: Approx. 450 × 139.5 × 95.5 mm (w/h/d) ($17^{3}/_{4} \times 5^{1}/_{2} \times 3^{7}/_{8}$ inches)
incl. projecting parts and controls
not incl. handle
Weight: Approx. 2.5 kg (5 lb 8 oz) incl. batteries

Tape Transport Mechanism Type	MF-950-78

0 dB = 0.775 V (AF)
0 dB = 1μV (RF)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

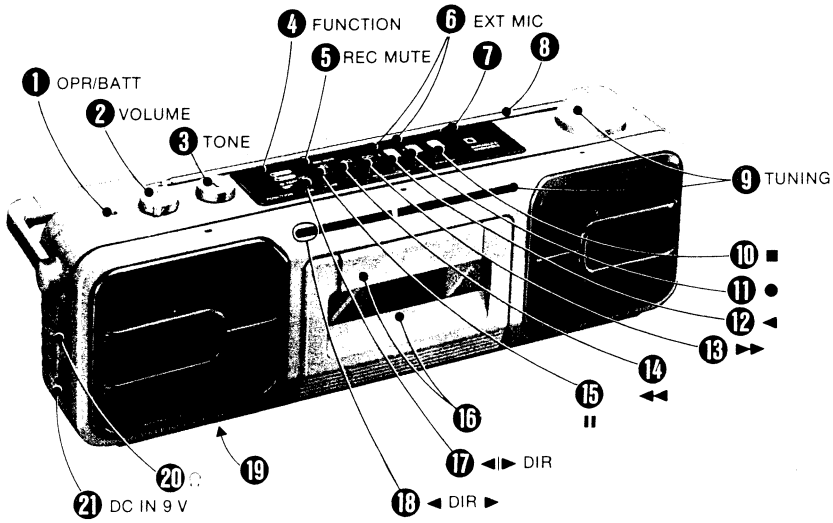
FM/AM STEREO CASSETTE-CORDER

SONY®

TC

MICROFILM

LOCATION OF CONTROLS



❶ OPR/BATT indicator
❷ VOLUME control
❸ TONE control
❹ FUNCTION selector
❺ REC MUTE (record muting) button
❻ EXT MIC (external microphone input) jacks

❼ Built-in microphone
❽ Telescopic antenna
❾ TUNING knob and dial scale
❿ ■ STOP/EJECT button
⓫ ● REC (record) button
⓬ ◀ PLAY button
⓭ ▶▶ REW (rewind) button
⓮ ◀◀ FF (fast-forward) button
⓯ II PAUSE button
⓰ Cassette holder and lock plate
⓱ ◀|▶ DIR (tape transport direction) button
⓲ ◀ DIR ▶ (tape transport direction) indicator (FWD, REV)
⓳ Battery compartment (rear)
⓴ ∩ (headphones) jack
㉑ DC IN 9V (external power input) jack

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

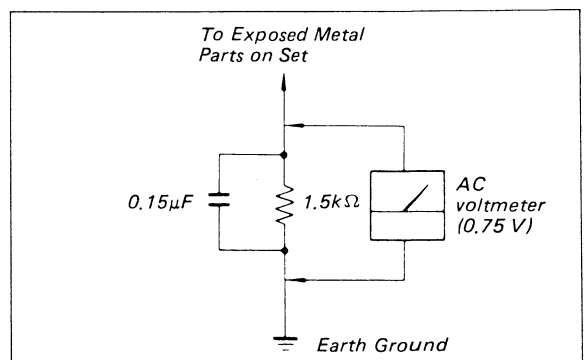
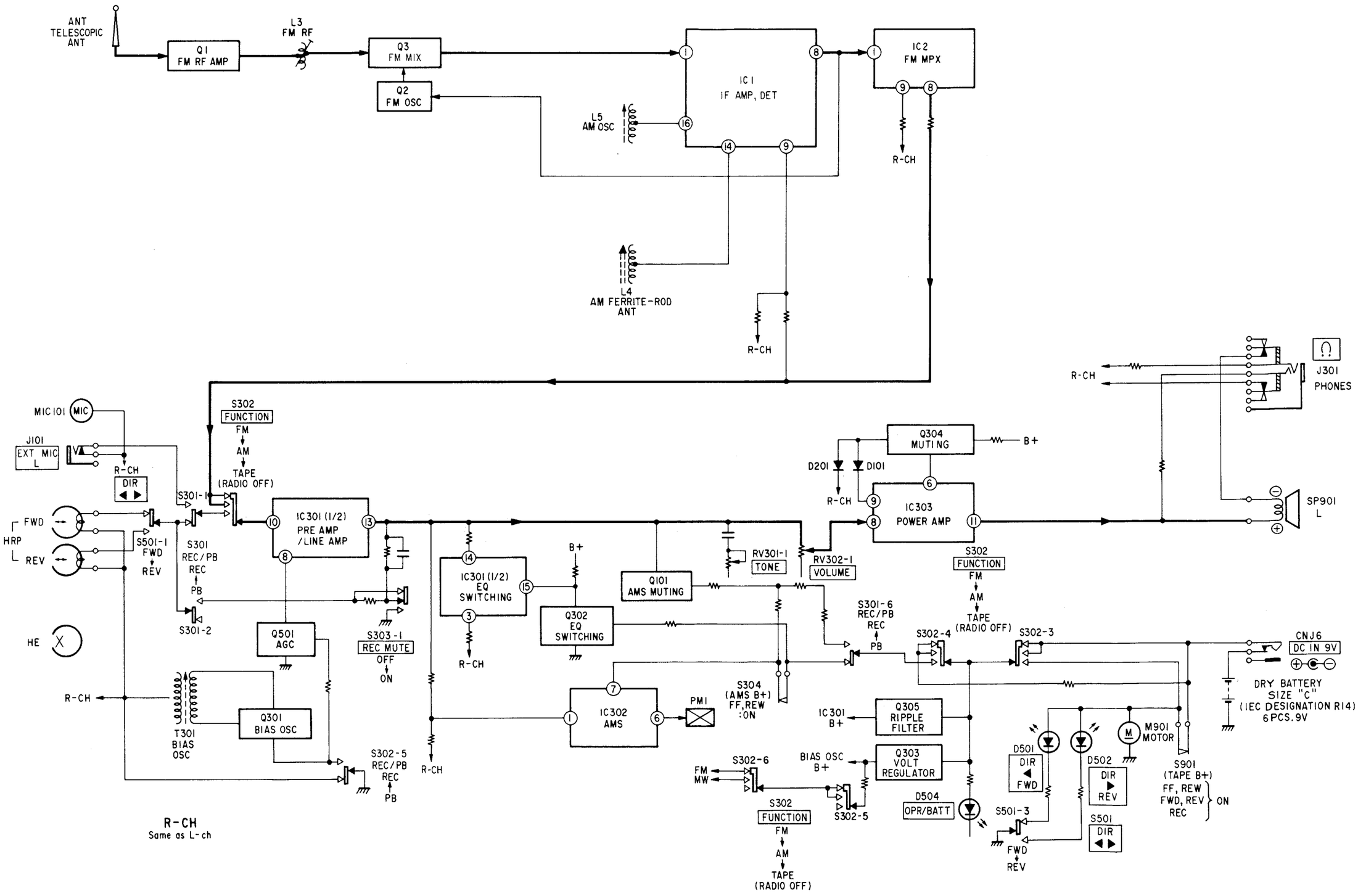


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1
BLOCK DIAGRAM

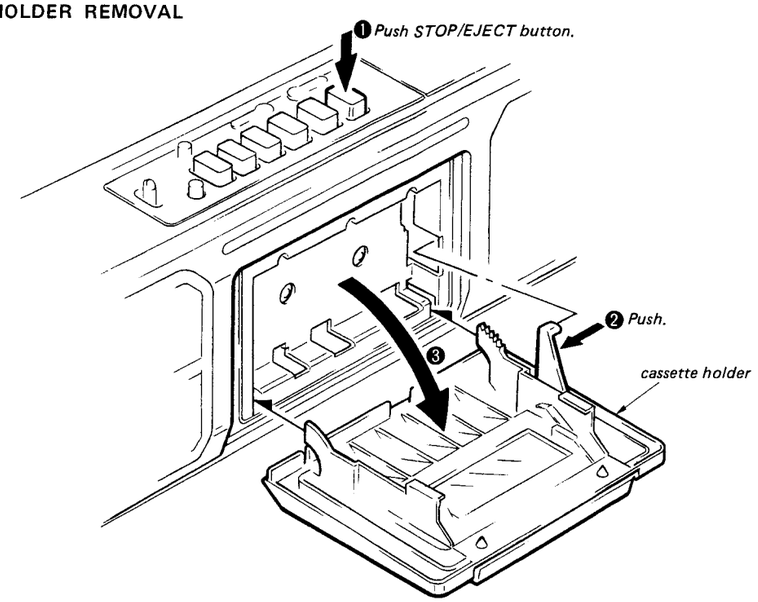


R-CH
Same as L-ch

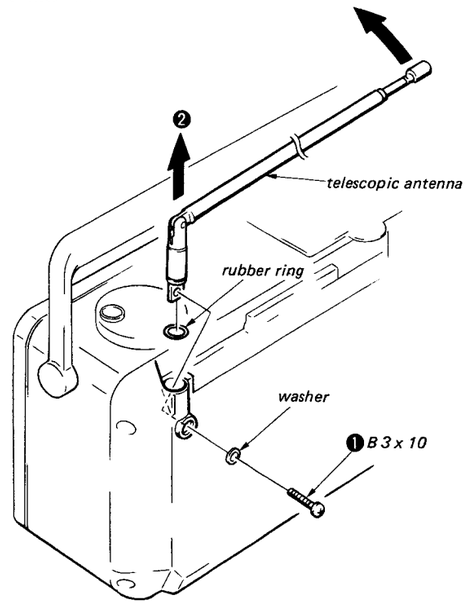
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

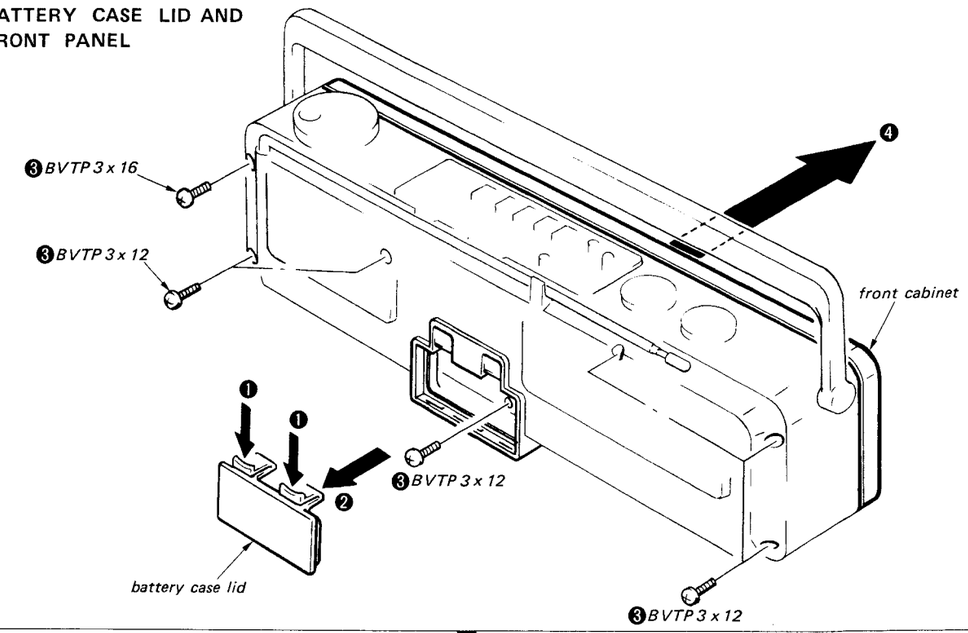
CASSETTE HOLDER REMOVAL



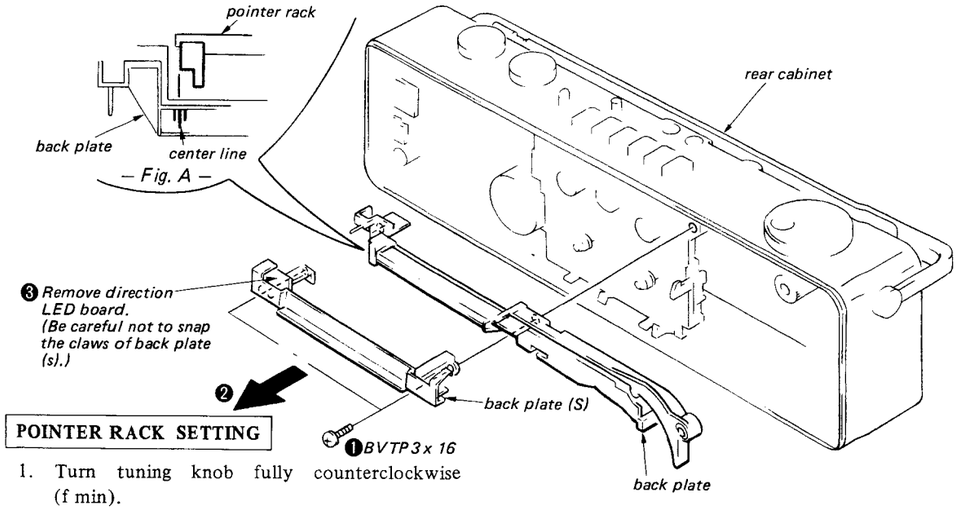
TELESCOPIC ANTENNA REMOVAL



BATTERY CASE LID AND FRONT PANEL



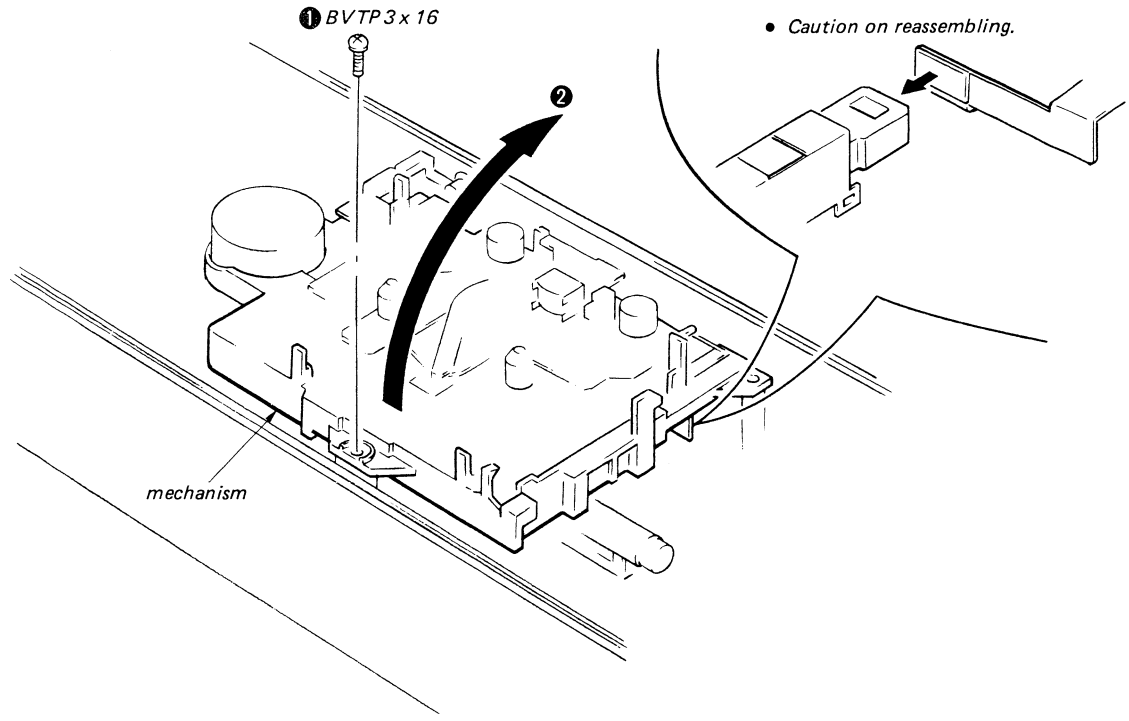
BACK PLATE REMOVAL AND POINTER RACK SETTING



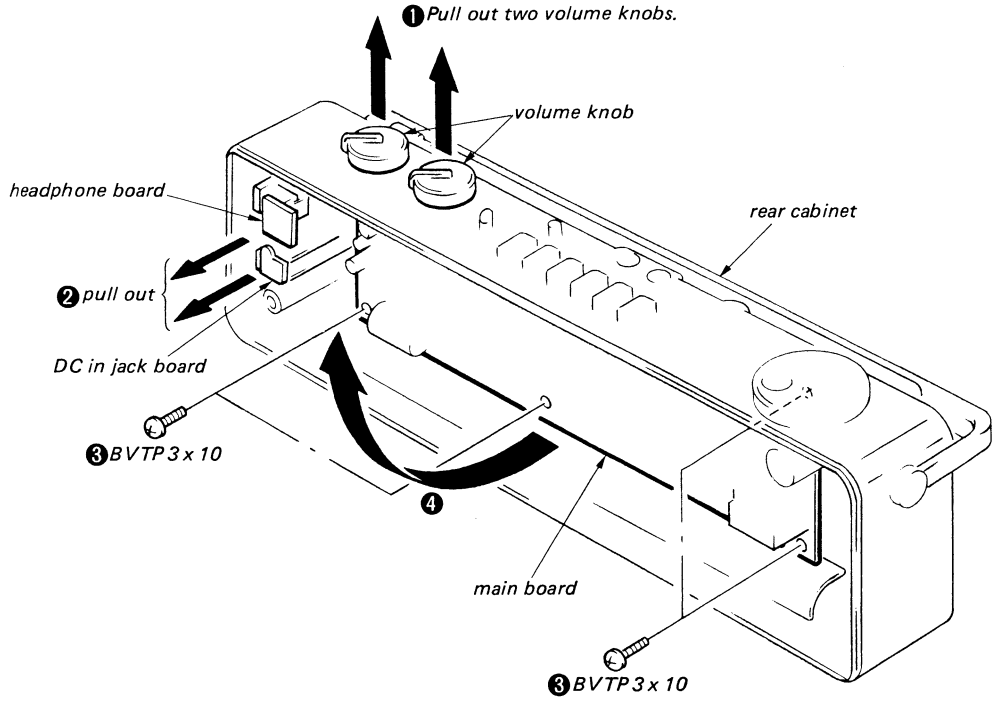
POINTER RACK SETTING

1. Turn tuning knob fully counterclockwise (f min).
2. Set the pointer rack to the center line (See fig. A).
3. Secure back plate together with back plate(s) with two screws.

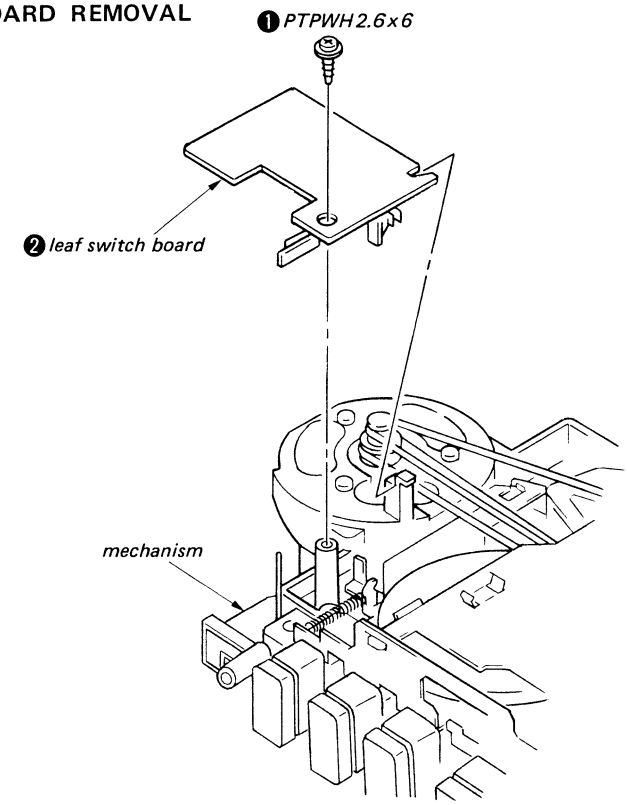
MECHANISM REMOVAL



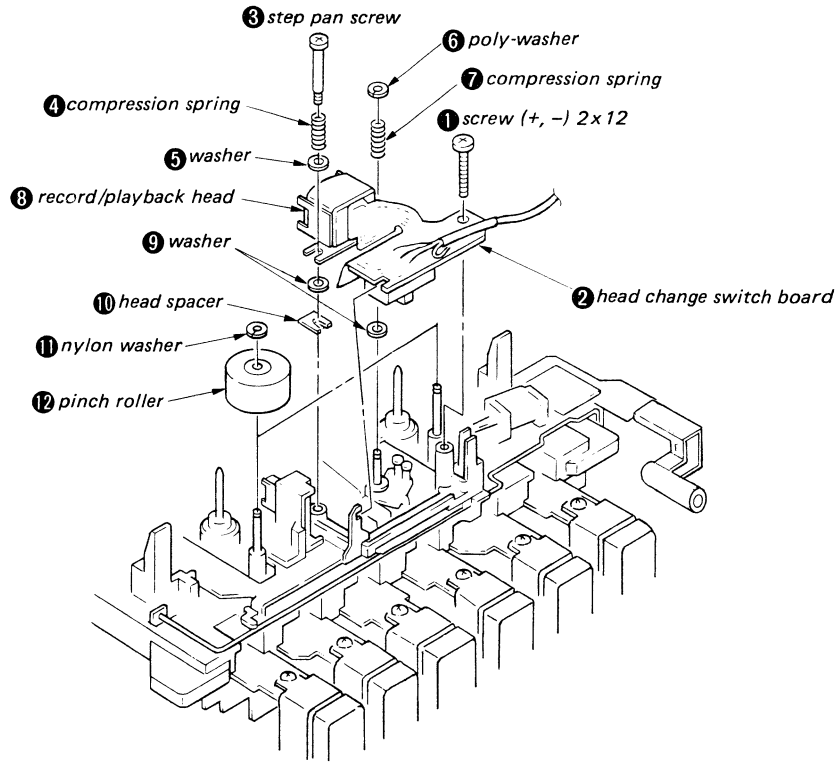
MAIN BOARD, DC IN JACK BOARD AND HEADPHONE BOARD REMOVAL



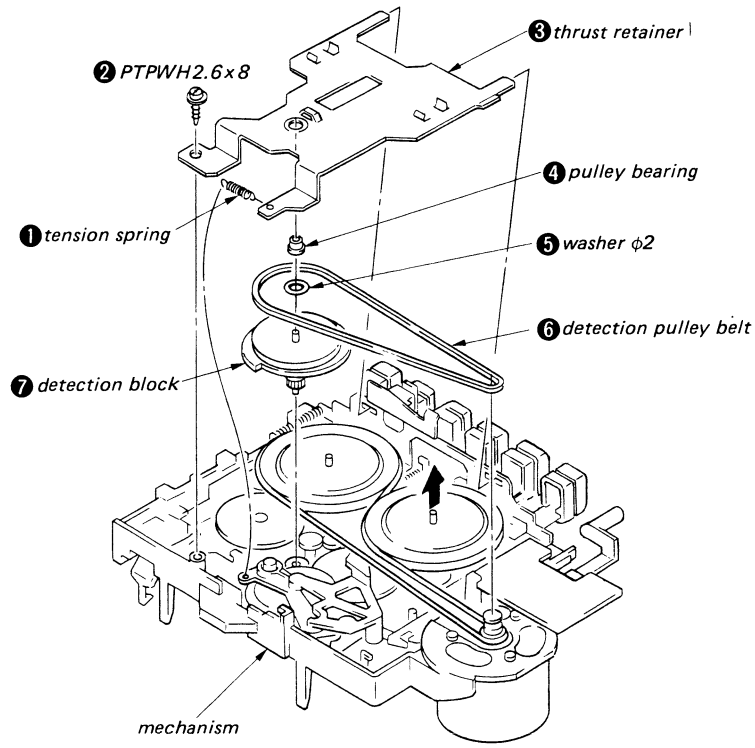
LEAF SWITCH BOARD REMOVAL



HEAD CHANGE SWITCH BOARD AND RECORD/PLAYBACK HEAD REMOVAL



DETECTION PULLEY BELT REMOVAL



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

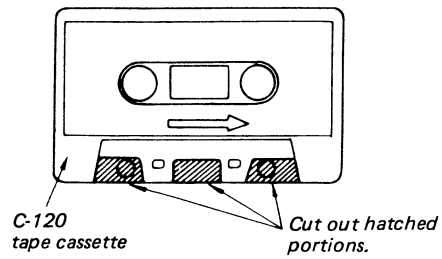
1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

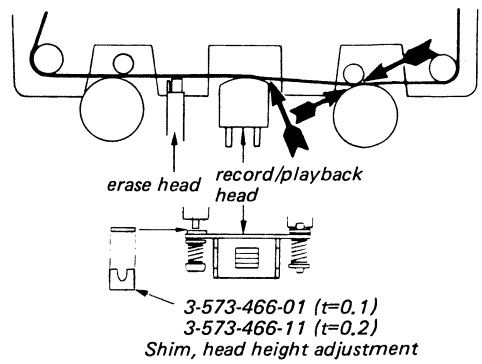
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. The adjustments should be performed in the order given in this service manual.
   The adjustments should be performed for both L-CH and R-CH.

Head Height Adjustment

1. Prepare an adjustment cassette as shown below.



2. In record mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions of arrow.

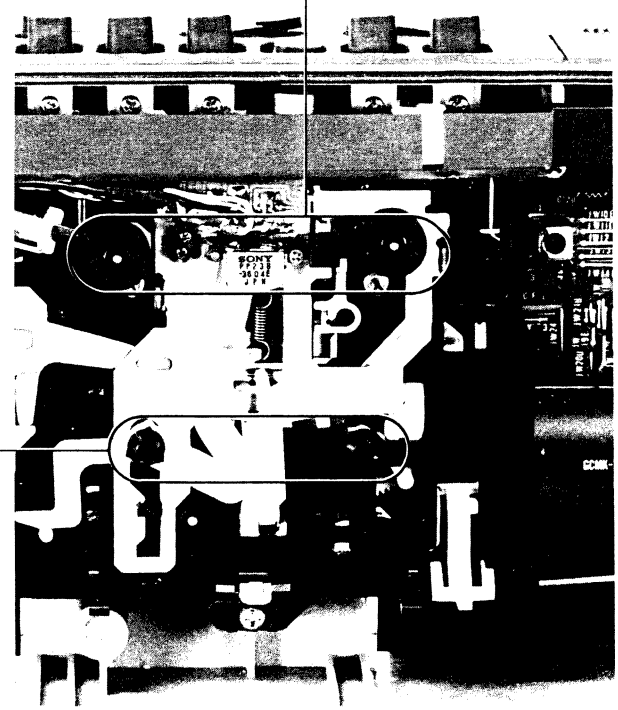


Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	28 – 52 g•cm (0.39 – 0.72 oz•inch)
FWD Back Tension		2.5 – 5.5 g•cm (0.04 – 0.07 oz•inch)
REV	CQ-102RB	28 – 52 g•cm (0.39 – 0.72 oz•inch)
REV Back Tension		2.5 – 5.5 g•cm (0.04 – 0.07 oz•inch)
FF	CQ-201B	more than 95 g•cm (more than 1.33 oz•inch)
REW		85 – 145 g•cm (1.18 – 2.01 oz•inch)

Tape Tension Measurement

Mode	Tension meter	Meter reading
FWD	CQ-403A	more than 120 g (more than 1.67 oz•inch)
REV	CQ-403R	



3-2. ELECTRICAL ADJUSTMENTS

CASSETTE SECTION

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

  FUNCTION: TAPE RADIO OFF
  VOLUME: mechanical mid
  TONE: HIGH

- Standard Input Level

input terminal	EXT MIC
source impedance	300 Ω
input level	0.77 mV (-60 dB)

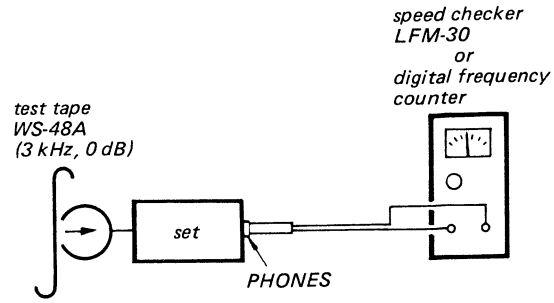
- Standard Output Level

output terminal	PHONES	speaker
load impedance	32 Ω	3.2 Ω
output level	0.25 V (-10 dB)	0.775 V (0 dB)

Tape Speed Adjustment

Procedure:

Mode: FWD playback

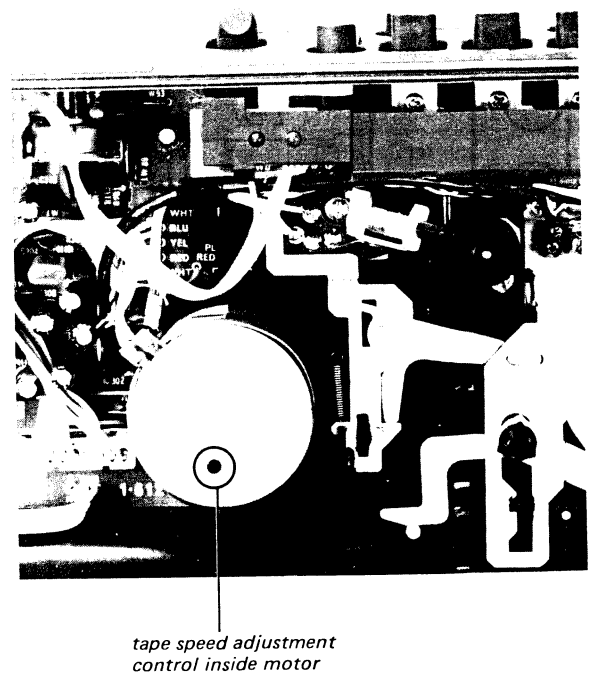


Specification:

Speed checker	Digital frequency counter
-2.5 to +3%	2,925 to 3,090 Hz

Frequency difference between the beginning and the end of the tape should be within 1.5% (45 Hz).
Also in REV playback mode, confirm to obtain the above specification.

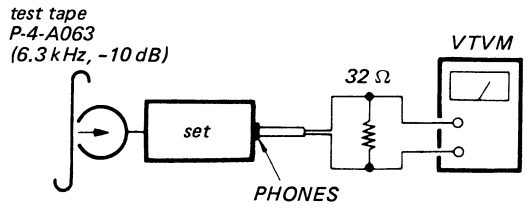
Adjustment Location:



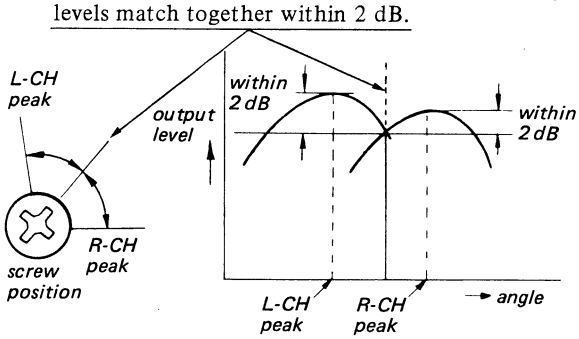
Record/playback Head Azimuth Adjustment

Procedure:

1. Mode: FWD playback



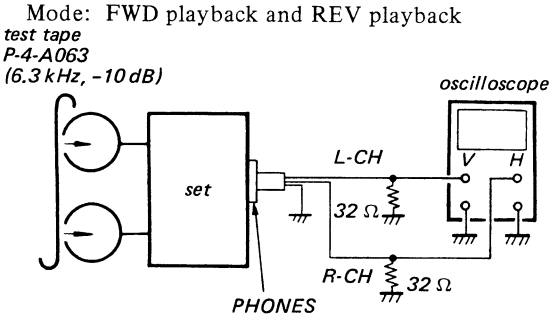
2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.

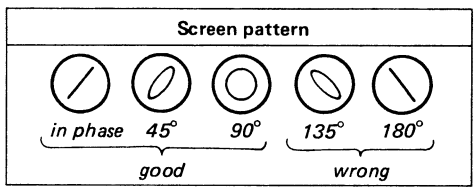


Also in REV playback mode, perform the above adjustment. After the adjustment, confirm to obtain the specification in FWD playback mode again.

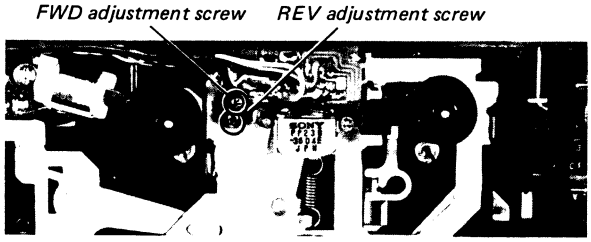
3. Phase Check

Mode: FWD playback and REV playback





Adjustment Location:



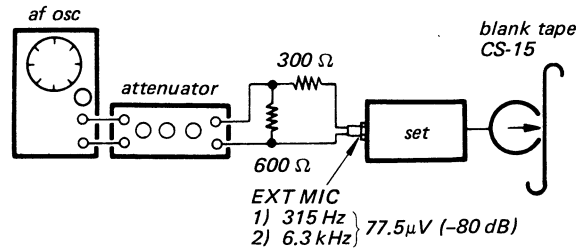
Record Bias Adjustment

Setting:

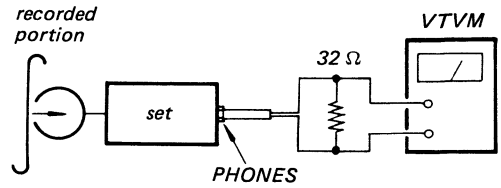
TONE control: MAX

Procedure:

1. Mode: record



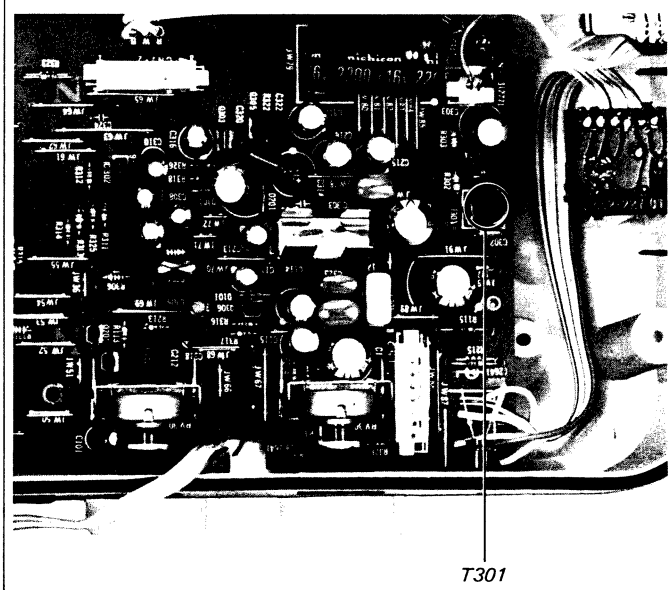
2. Mode: playback



3. Confirm that the 6.3 kHz playback signal level is 0 ± 3 dB relative to the 315 Hz signal level. If necessary, adjust T301 and repeat steps 1–3.

Adjustment Location:

– main board –

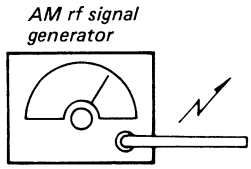


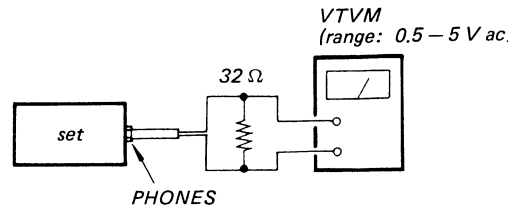
RADIO SECTION

- **AM Section**

Setting:

FUNCTION switch: AM



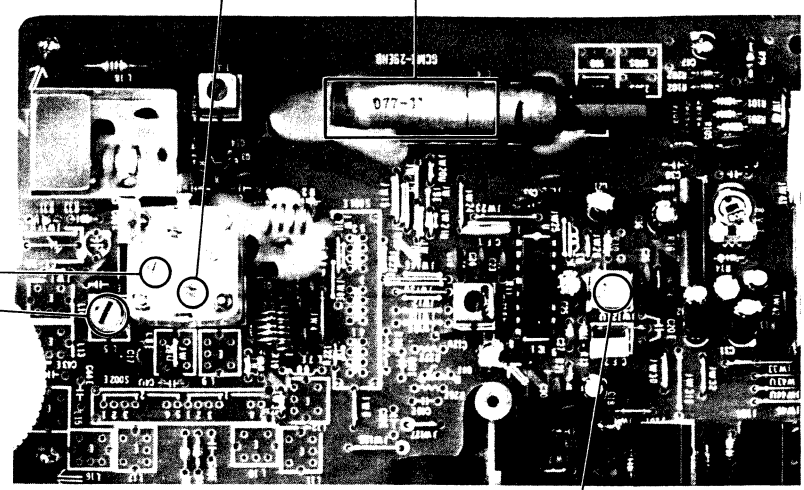


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
1,400 kHz	620 kHz
CT3	L4

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
1,680 kHz	CT4
520 kHz	L5

– main board –

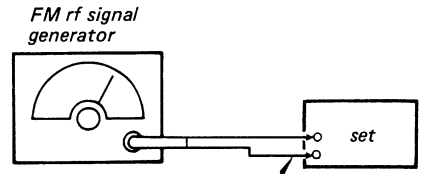


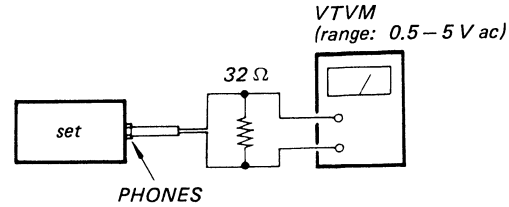
f max	T2
Adjust for a maximum reading on VTVM.	
AM IF ALIGNMENT	

• FM Section

Setting:

FUNCTION switch: FM


FM rf signal generator
set
22.5 kHz frequency deviation by 400 Hz signal.
output ... 15 – 25 dB
To FM antenna terminal
(See photo below.)

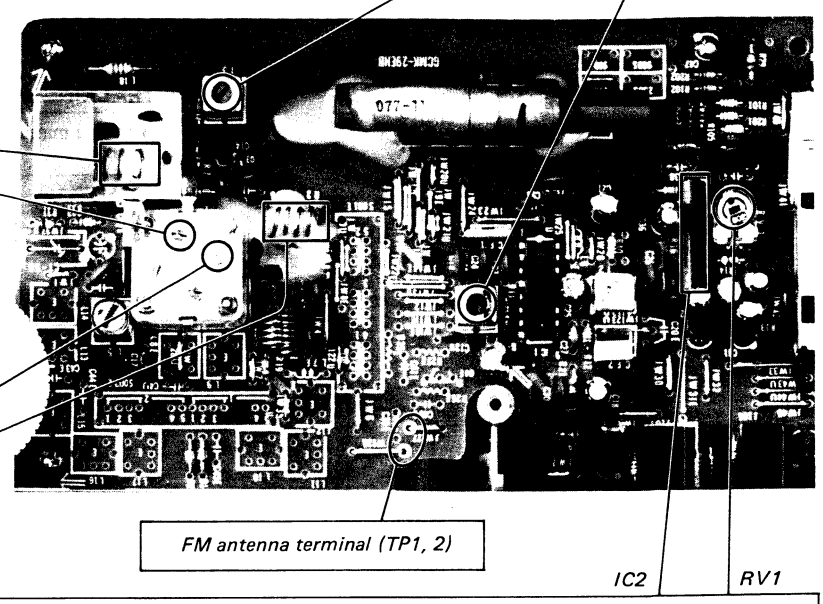


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
T3	T1

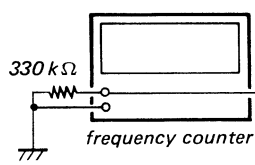
FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
86.5 MHz	L2
109.5 MHz	CT2

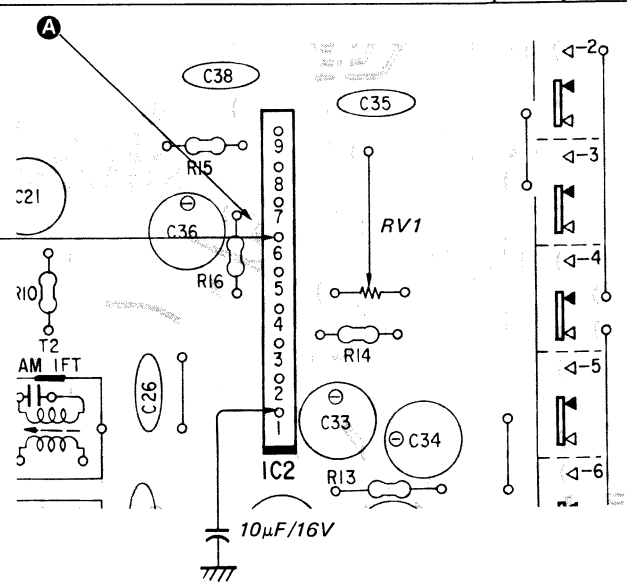
FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
109.5 MHz	CT1
86.5 MHz	L3



VCO Adjustment

Procedure:



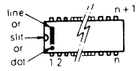


1. Cut the pattern Ⓐ .
2. Adjust RV1 for 38 kHz ± 0.2 kHz on the counter.
3. After the adjustment, solder the pattern Ⓐ .

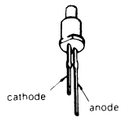
SECTION 4
DIAGRAMS

• Semiconductor Lead Layouts

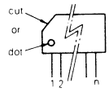
LA1260S
LA7668AP



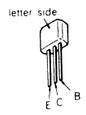
SLP146B



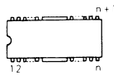
LA2010
TA7343P



2SA1175



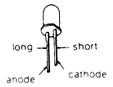
LA4182



2SC2603F
2SC2668-0
2SC2839
2SC2840-E
2SD1012

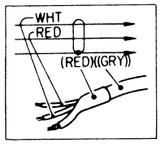
1S2687S-1
1SS119
RD5.6EB2

SLP135B



Note:

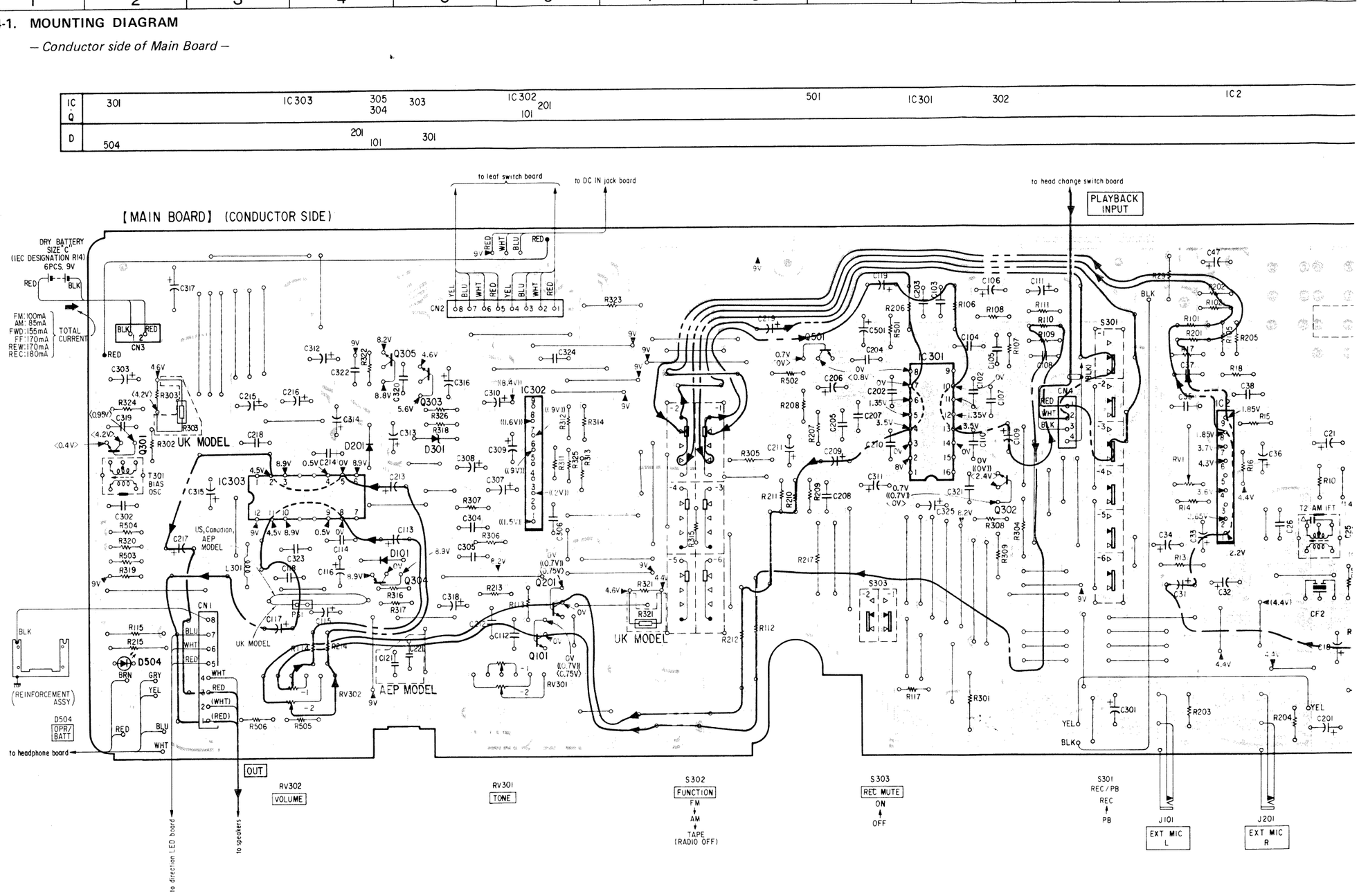
- Color code of sleeving over the end of the jacket.



- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- [ ]— : indicates side identified with part number.
- : signal path
- : L-CH signal path
- : R-CH signal path
- : B+ pattern

4-1. MOUNTING DIAGRAM

– Conductor side of Main Board –



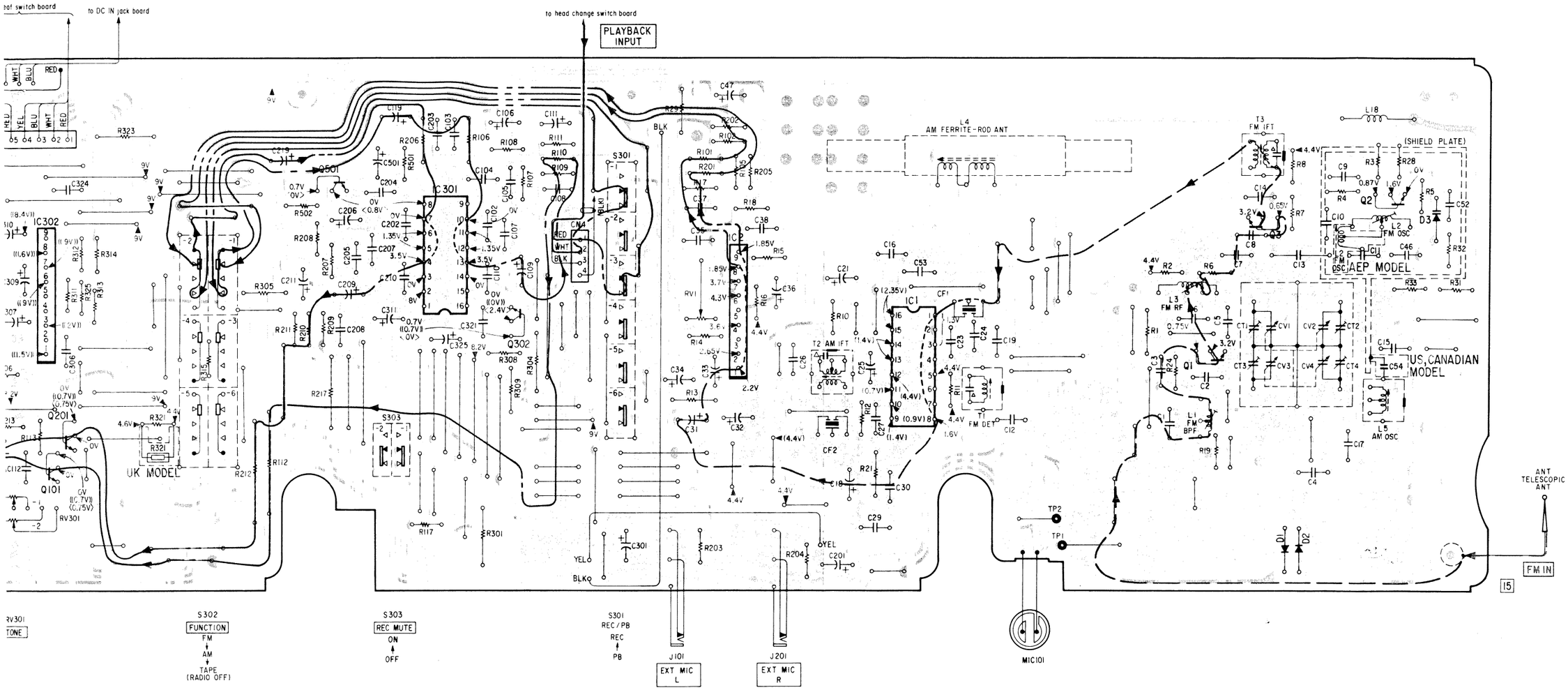
CFS-950

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

A B C D E F G H I J

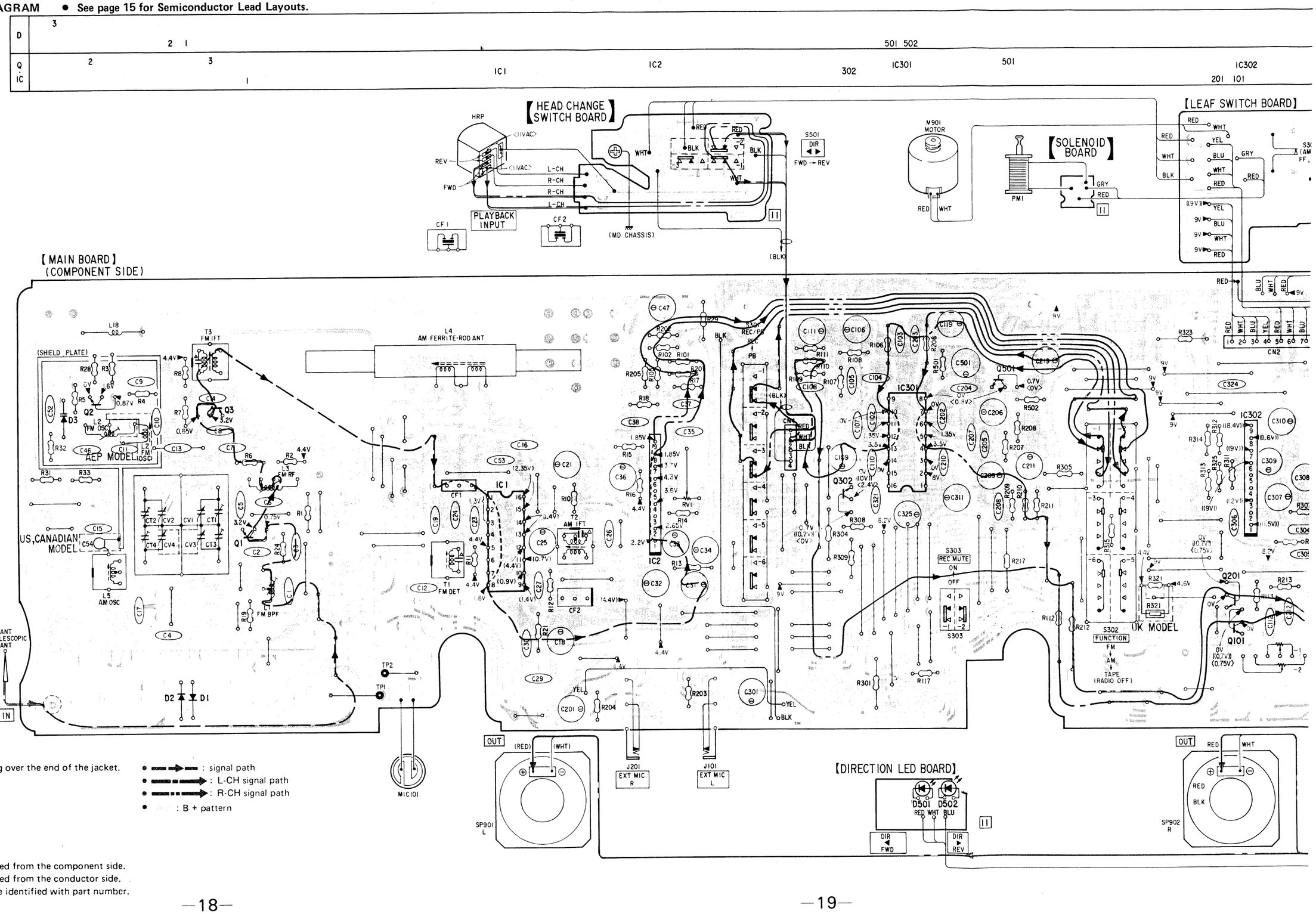
IC302 201 101 501 IC301 302 IC2 IC1 1 3 2 IC Q

1 2 3 D



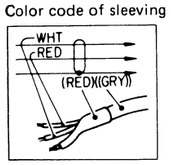
4-2. MOUNTING DIAGRAM

• See page 15 for Semiconductor Lead Layouts.



Note:

- Color code of sleeving over the end of the jacket.

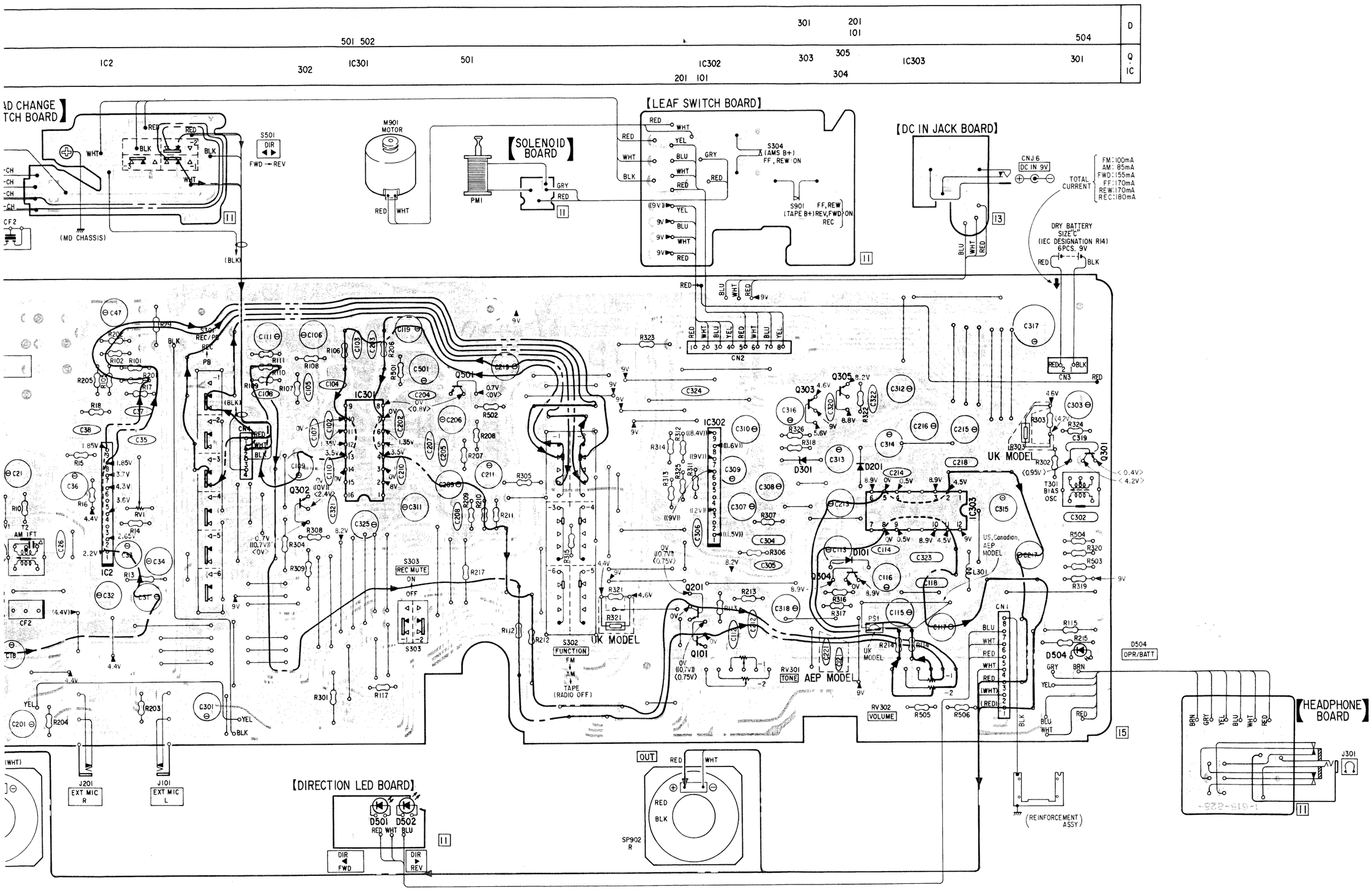


- ⟶ : signal path
- ⟶ : L-CH signal path
- ⟶ : R-CH signal path
- : B + pattern

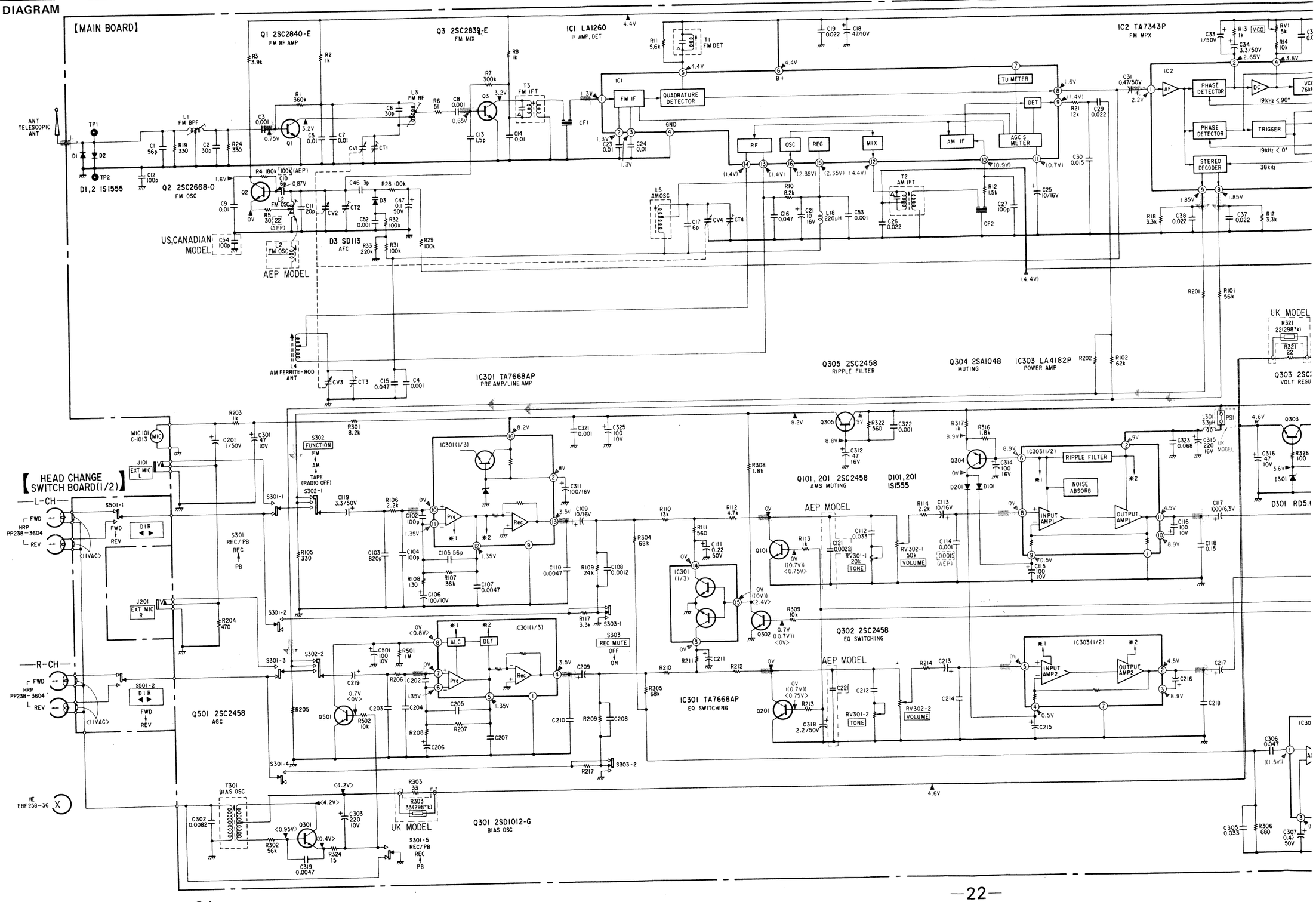
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- [ ]— : indicates side identified with part number.

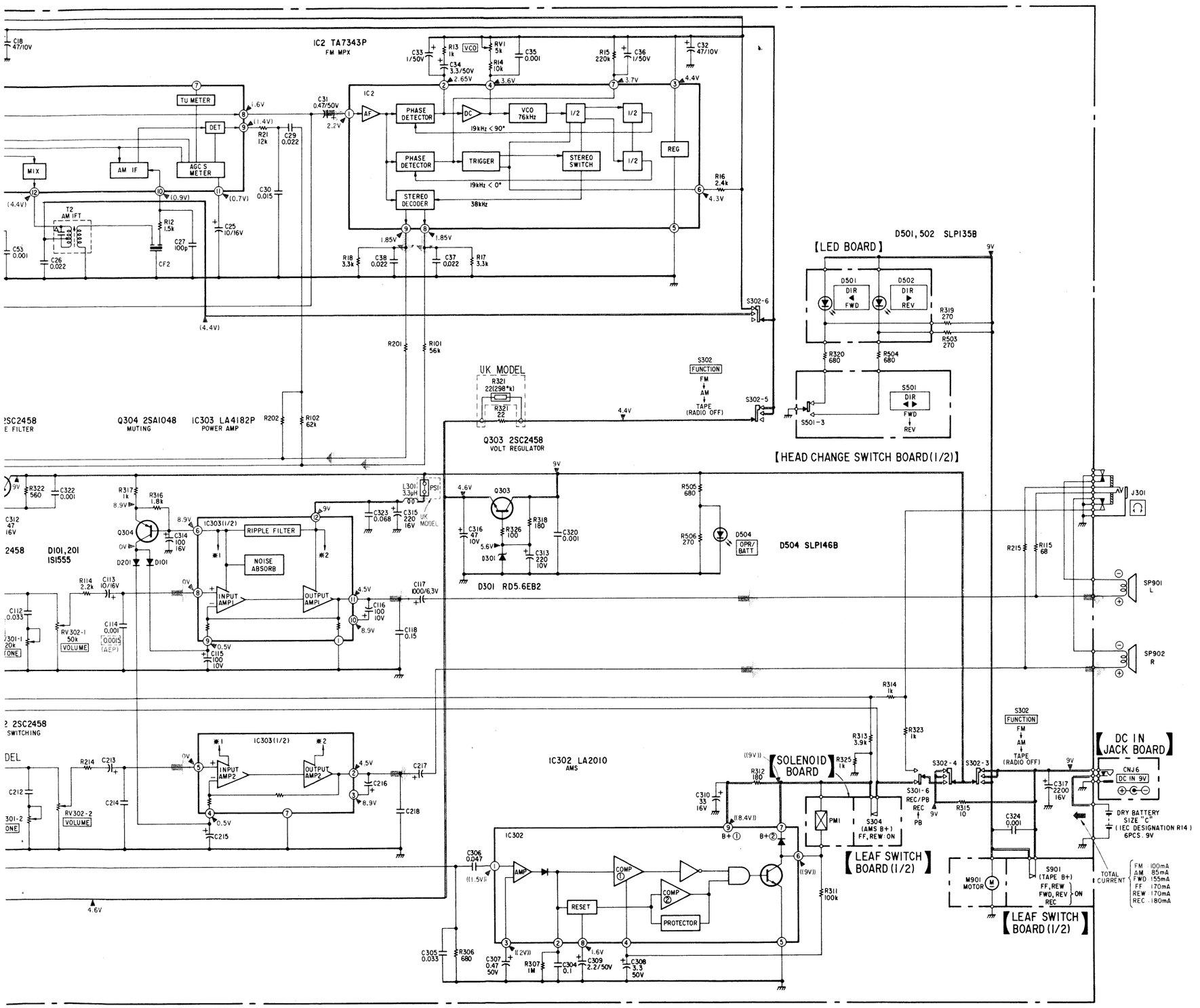
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

A B C D E F G H I J



4-3. SCHEMATIC DIAGRAM





Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▒▒ : signal path.
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- △ : internal component.
- ——— : B+ bus.
- ▭ : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Total current is measured with no cassette installed.
- Power voltage is 9V and fed with regulated dc power supply from battery terminal.
- Voltages are dc with respect to ground with no-signal input.
- Voltage variations may be noted due to normal production tolerances.
  no mark: FM
  ( ) : AM
  (( )) : FF/REW
  < > : REC
- Switches

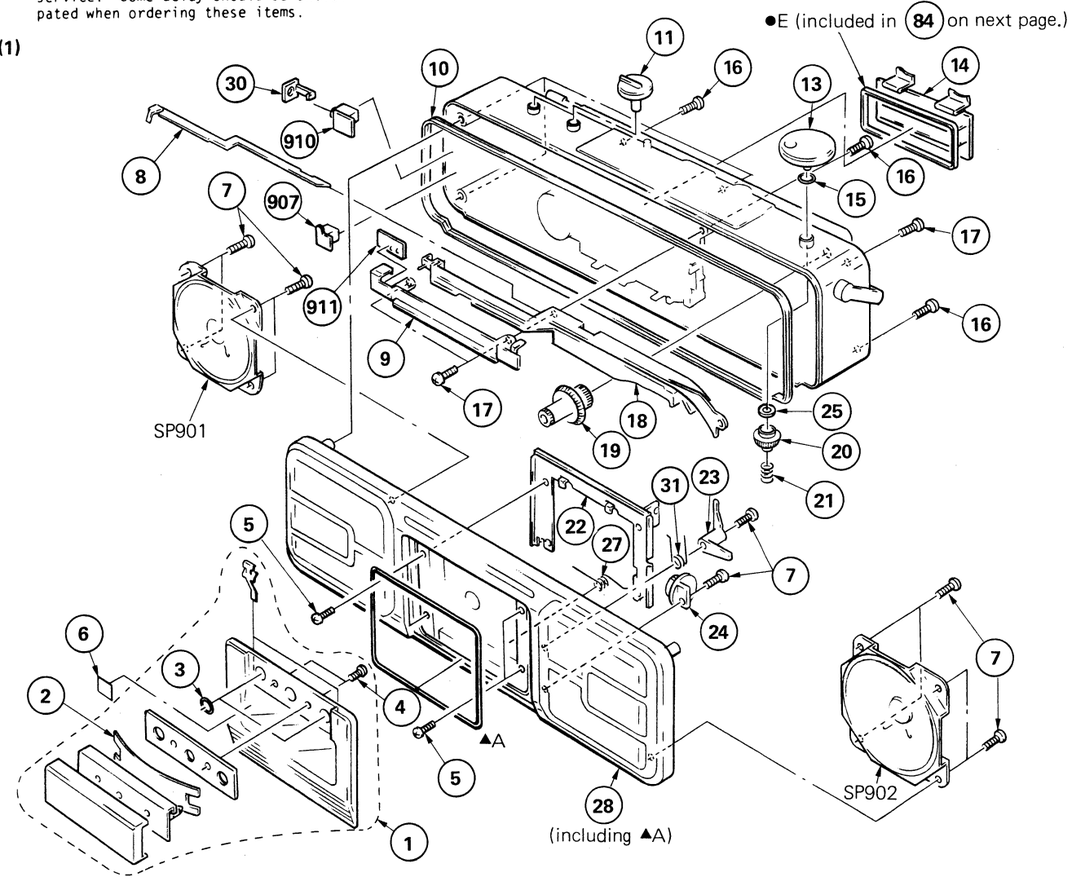
Ref. No.	Switch	Position
S301	REC/PB	PB
S302	FUNCTION	FM
S303	REC MUTE	OFF
S304	AMS B+	OFF
S501	DIRECTION	FWD
S901	TAPE B+	OFF

Note: Voltages are measured with a VOM (50kΩ/V).

SECTION 5 EXPLODED VIEWS AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

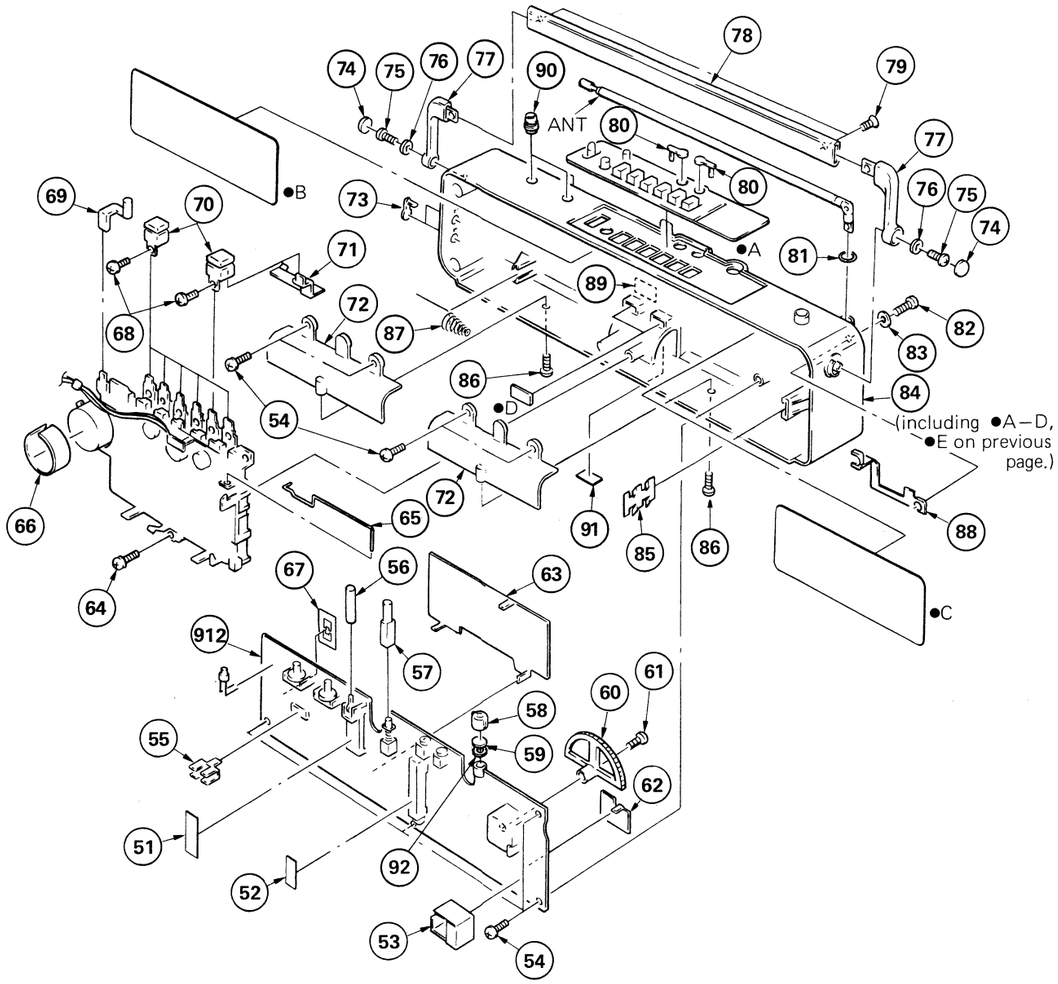
(1)



No.	Part No.	Description	Remarks
1	X-3326-312-1	(WHITE)....HOLDER ASSY, CASSETTE	2,3,4
	X-3326-311-1	(YELLOW)...HOLDER ASSY, CASSETTE	2,3,4
	X-3326-313-1	(GRAY).....HOLDER ASSY, CASSETTE	2,3,4
2	3-326-338-01	SPR, PRESS	
3	7-624-209-00	O RING, P-5	
4	7-627-552-37	SCREW, PRECISION +P 1.7X3	
5	7-627-552-67	SCREW, PRECISION +P 1.7X4.5	
6	3-703-710-01	STIKER, SONY SYMBOL (12)	
7	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
8	3-326-349-01	RACK, POINTER	
9	3-326-350-11	PLATE (S), BACK	
10	3-326-316-01	PACKING, CABINET	
11	3-326-304-11	(WHITE)....KNOB, VOL	
	3-326-304-21	(YELLOW)...KNOB, VOL	
	3-326-304-31	(GRAY).....KNOB, VOL	
13	3-326-305-11	(WHITE)....KNOB, TUNING	
	3-326-305-21	(YELLOW)...KNOB, TUNING	
	3-326-305-31	(GRAY).....KNOB, TUNING	
14	3-326-302-11	(WHITE)....LID, BATTERY CASE	
	3-326-302-21	(YELLOW)...LID, BATTERY CASE	
	3-326-302-31	(GRAY).....LID, BATTERY CASE	

No.	Part No.	Description	Remarks
15	4-870-945-00	RING (P9), O	
16	7-685-648-71	SCREW +BVTP 3X12 TYPE2 IT-3	
17	7-685-650-71	SCREW +BVTP 3X16 TYPE2 IT-3	
18	3-322-617-01	PLATE, BACK	
19	3-326-321-01	GEAR, CHANGE	
20	3-326-319-01	GEAR, TUNING	
21	3-326-359-01	SPRING (TU)	
22	*X-3326-302-1	REINFORCEMENT ASSY	
23	*3-326-328-01	LEVER, CHANGE	
24	X-3572-101-0	EJECT ASSY, SOFT	
25	3-701-447-11	WASHER, 10	
27	3-326-341-01	SPRING	
28	X-3326-323-1	(WHITE)....CABINET ASSY, FRONT	
	X-3326-322-1	(YELLOW)...CABINET ASSY, FRONT	
	X-3326-324-1	(GRAY).....CABINET ASSY, FRONT	
30	3-326-335-01	HOLDER, HP JACK	
31	3-326-364-01	SPRING	
907	*1-612-999-11	PC BOARD, DC JACK	
910	*1-615-825-11	PC BOARD, HEADPHONE	
911	*1-615-826-11	PC BOARD, DIRECTION LED	
SP901	1-503-462-11	SPEAKER, CONE (10CM)	
SP902	1-503-462-11	SPEAKER, CONE (10CM)	

(2)



No.	Part No.	Description	Remarks
51	9-911-863-XX	FIBER	
52	3-321-449-01	SPACER	
53	*3-326-314-01	PLATE (A), SHIELD	
54	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
55	*3-319-564-11	HEAT SINK	
56	3-326-326-01	BUTTON, REC MUTE	
57	3-326-315-01	KNOB, SELECTION	
58	3-319-915-01	CUSHION, MICROPHONE	
59	3-326-355-01	SHEET, MIC	
60	3-319-910-01	DRUM, DIAL	
61	7-621-770-87	SCREW +P 2.6X5	
62	*3-319-937-01	PLATE (B), SHIELD	
63	*3-319-938-01	PLATE (C), SHIELD	
64	7-685-650-71	SCREW +BVTP 3X16 TYPE2 IT-3	
65	*3-321-514-01	LEVER, SWITCH, POWER	
66	*3-319-940-01	PLATE, SHIELD, MOTOR	
67	*3-326-370-01	(UK)....HEAT SINK	
68	7-685-790-01	SCREW +PTT 2.6X4 (S)	
69	3-326-313-01	BUTTON, DIRECTION	
70	*3-326-346-01	BUTTON BLOCK, MD	
71	*3-326-337-01	SPRING	
72	*3-326-324-01	CASE, BATT	
73	3-326-303-01	PACKING, JACK	
74	3-326-339-11	(WHITE)....PLATE, ORNAMENTAL, HANDLE	
	3-326-339-21	(YELLOW)...PLATE, ORNAMENTAL, HANDLE	
	3-326-339-31	(GRAY).....PLATE, ORNAMENTAL, HANDLE	
75	3-703-135-00	SCREW, TAPPING	

No.	Part No.	Description	Remarks
76	3-552-410-00	WASHER	
77	3-326-309-11	(WHITE)....PLATE, SIDE, HANDLE	
	3-326-309-21	(YELLOW)...PLATE, SIDE, HANDLE	
	3-326-309-31	(GRAY).....PLATE, SIDE, HANDLE	
78	3-326-308-11	(WHITE)....HANDLE	
	3-326-308-21	(YELLOW)...HANDLE	
	3-326-308-31	(GARY).....HANDLE	
79	7-685-246-14	SCREW +KTP 3X8 TYPE2 NON-SLIT	
80	3-326-334-01	PACKING, MICROPHONE JACK	
81	3-146-316-01	RING, RUBBER	
82	7-682-549-04	SCREW +B 3X10	
83	7-623-924-01	WASHER 3.0, NYLON	
84	X-3326-316-1	(WHITE)....CABINET ASSY, REAR	
	X-3326-315-1	(YELLOW)...CABINET ASSY, REAR	
	X-3326-317-1	(GARY).....CABINET ASSY, REAR	
85	3-326-317-01	TERMINAL BOARD, PLUS	
86	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S	
87	3-326-318-01	TERMINAL, MINUS	
88	*3-326-327-01	TERMINAL BOARD, ANTENNA	
89	*3-701-999-00	(US)....LABEL, SERIAL NUMBER	
90	3-326-322-01	PACKING, VOL	
91	3-522-213-00	(Canadian,AEP,UK)...LABEL, SERIAL NUMBER	
92	3-323-837-01	CUSHION (E)	
912	*A-3260-287-A	(US,Canadian)....MOUNTED PCB, MAIN	
	*A-3260-293-A	(UK).....MOUNTED PCB, MAIN	
	*A-3260-294-A	(AEP).....MOUNTED PCB, MAIN	
ANT	1-501-337-11	ANTENNA, TELESCOPIC	

(3)

No.	P
101	*3
102	7
103	3
104	3
105	3
106	3
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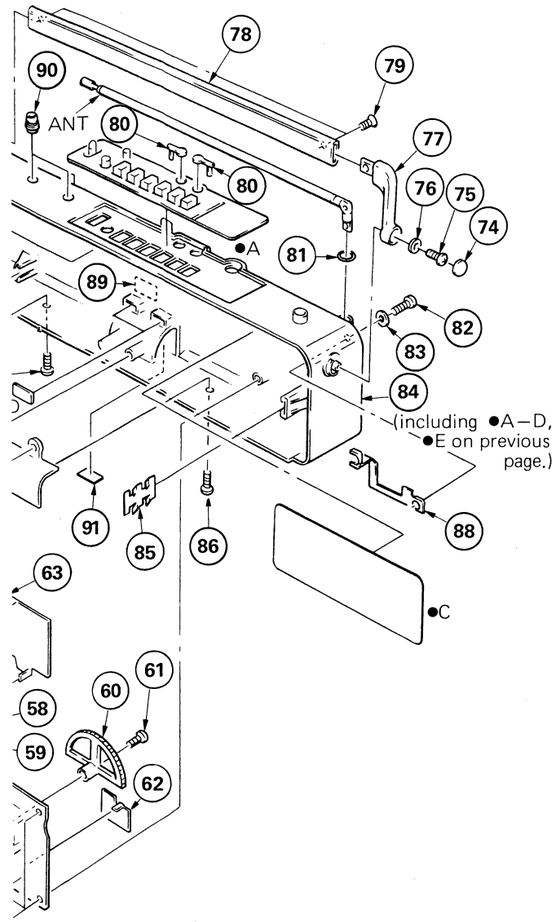
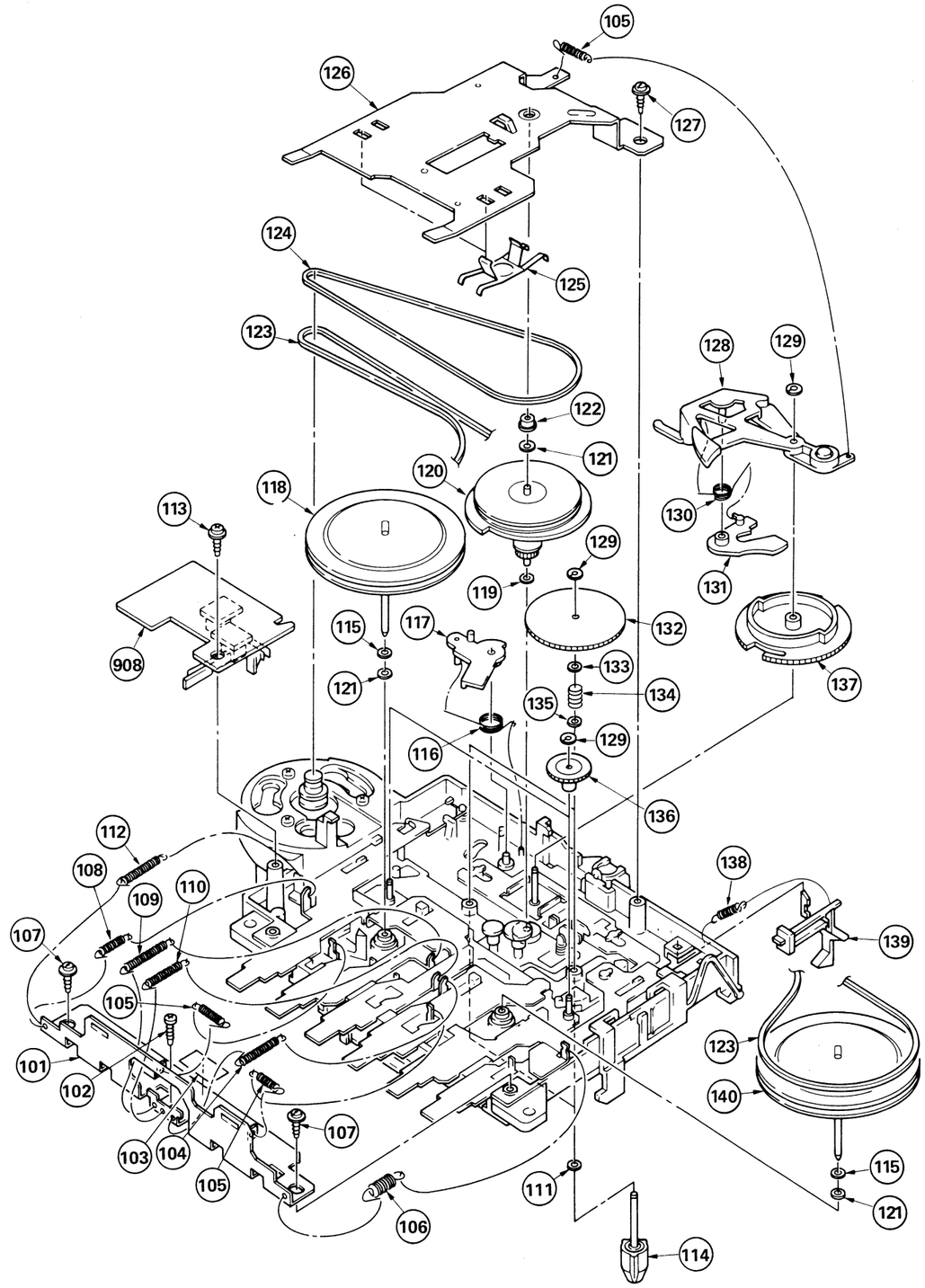
908	*



(3)

No.	Part No.	Description	Remarks
101	*3-322-518-01	RETAINER, LEVER	
102	7-685-105-14	TPG +P 2X8, TYPE 2, NON-SLIT	
103	3-831-441-XX	CUSHION	
104	3-328-104-01	SPRING, TENSION (POWER TENSION)	
105	3-322-527-01	SPRING, TENSION	
106	3-328-106-01	SPRING, TENSION	
107	7-687-233-11	SCREW, TOTSU PTPWH 2.6X6, TYPE2	
108	3-328-107-01	SPRING, TENSION	
109	3-328-103-01	SPRING, TENSION	
110	3-328-105-01	SPRING, TENSION	
111	3-545-715-00	WASHER	
112	3-530-260-00	SPRING, TENSION	
113	7-687-233-11	SCREW (+ PTPWH)(2.6X6)	
114	X-3322-502-1	CLAW ASSY, REEL	
115	3-701-437-21	WASHER	
116	3-322-574-01	SPRING	
117	3-322-552-01	LEVER, GEAR LOCK	
118	X-3322-508-1	FLYWHEEL (N) ASSY	
119	3-701-437-01	WASHER	
120	X-3322-501-1	DETECTION BLOCK ASSY	
121	3-701-437-11	WASHER	
122	3-322-566-01	BEARING, PULLEY	
123	3-322-533-01	BELT	
124	3-434-110-XX	BELT, COUNTER	
125	3-322-524-01	SPRING	
126	*3-322-519-01	RETAINER, THRUST	
127	7-685-134-14	SCREW, TOTSU PTPWH 2.6X8, TYPE2	
128	X-3322-506-1	LEVER (B) ASSY, OA	
129	3-322-672-01	WASHER, NYLON	
130	3-322-534-01	SPRING	
131	3-322-551-01	LEVER (A), OA	
132	3-322-508-01	GEAR, REEL	
133	3-322-660-01	WASHER (B)	
134	3-321-541-01	SPRING, COMPRESSION	
135	3-322-659-01	WASHER (A)	
136	3-322-556-01	GEAR, FR	
137	3-322-553-01	GEAR, CAM	
138	3-313-384-01	SPRING, TENSION	
139	3-322-511-01	CLAW, ERASING PROTECTION	
140	X-3322-507-1	FLYWHEEL (R) ASSY	
908	*1-613-724-11	PC BOARD, LEAF SWITCH	

No.	Part No.	Description	Remarks
76	3-552-410-00	WASHER	
77	3-326-309-11	(WHITE)....PLATE, SIDE, HANDLE	
	3-326-309-21	(YELLOW)...PLATE, SIDE, HANDLE	
	3-326-309-31	(GRAY).....PLATE, SIDE, HANDLE	
78	3-326-308-11	(WHITE)....HANDLE	
	3-326-308-21	(YELLOW)...HANDLE	
	3-326-308-31	(GARY).....HANDLE	
79	7-685-246-14	SCREW +KTP 3X8 TYPE2 NON-SLIT	
80	3-326-334-01	PACKING, MICROPHONE JACK	
81	3-146-316-01	RING, RUBBER	
82	7-682-549-04	SCREW +B 3X10	
83	7-623-924-01	WASHER 3.0, NYLON	
84	X-3326-316-1	(WHITE)....CABINET ASSY, REAR	
	X-3326-315-1	(YELLOW)...CABINET ASSY, REAR	
	X-3326-317-1	(GARY).....CABINET ASSY, REAR	
85	3-326-317-01	TERMINAL BOARD, PLUS	
86	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S	
87	3-326-318-01	TERMINAL, MINUS	
88	*3-326-327-01	TERMINAL BOARD, ANTENNA	
89	*3-701-999-00	(US)....LABEL, SERIAL NUMBER	
90	3-326-322-01	PACKING, VOL	
91	3-522-213-00	(Canadian,AEP,UK)...LABEL, SERIAL NUMBER	
92	3-323-837-01	CUSHION (E)	
912	*A-3260-287-A	(US,Canadian)....MOUNTED PCB, MAIN	
	*A-3260-293-A	(UK).....MOUNTED PCB, MAIN	
	*A-3260-294-A	(AEP).....MOUNTED PCB, MAIN	
ANT	1-501-337-11	ANTENNA, TELESCOPIC	



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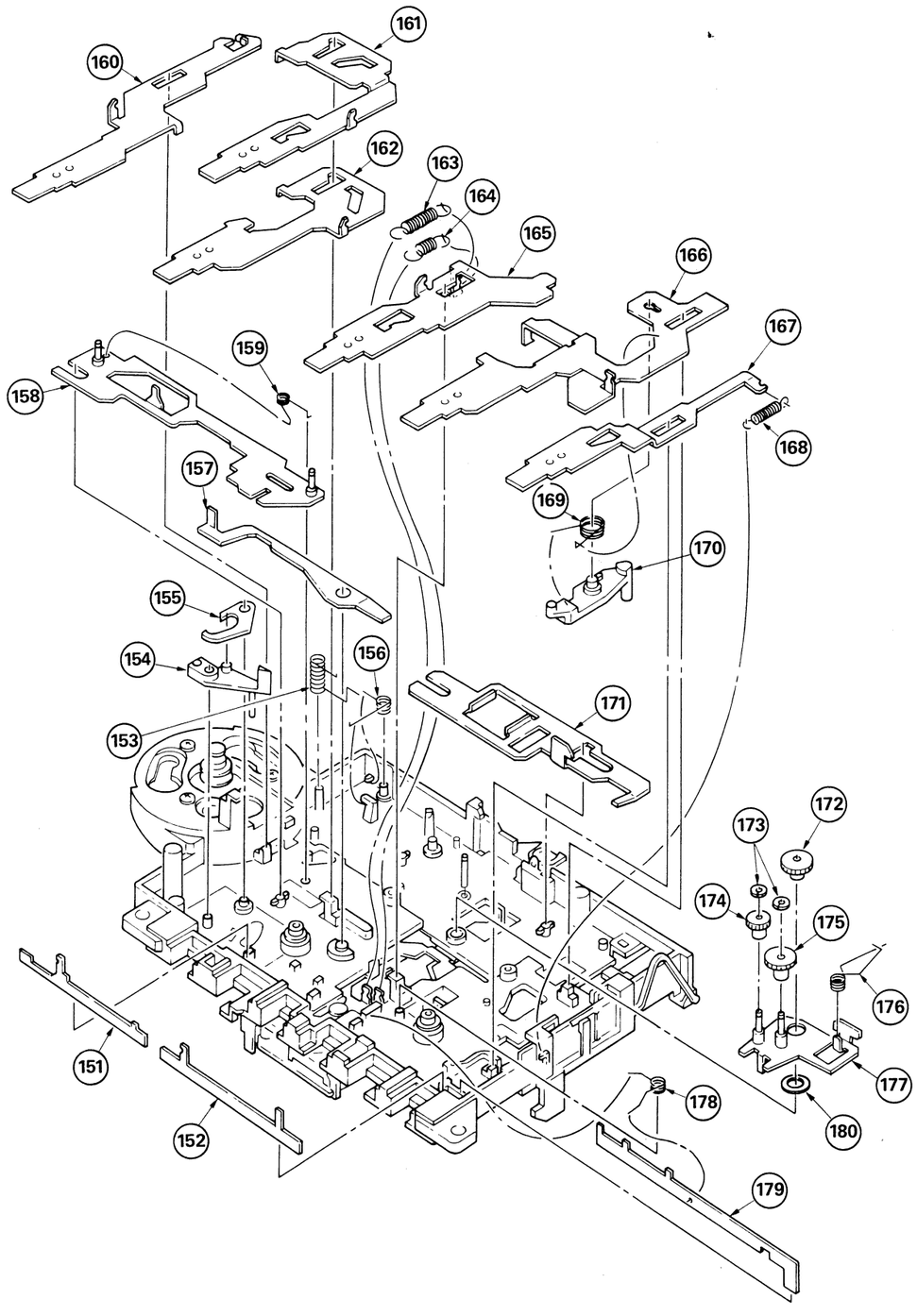
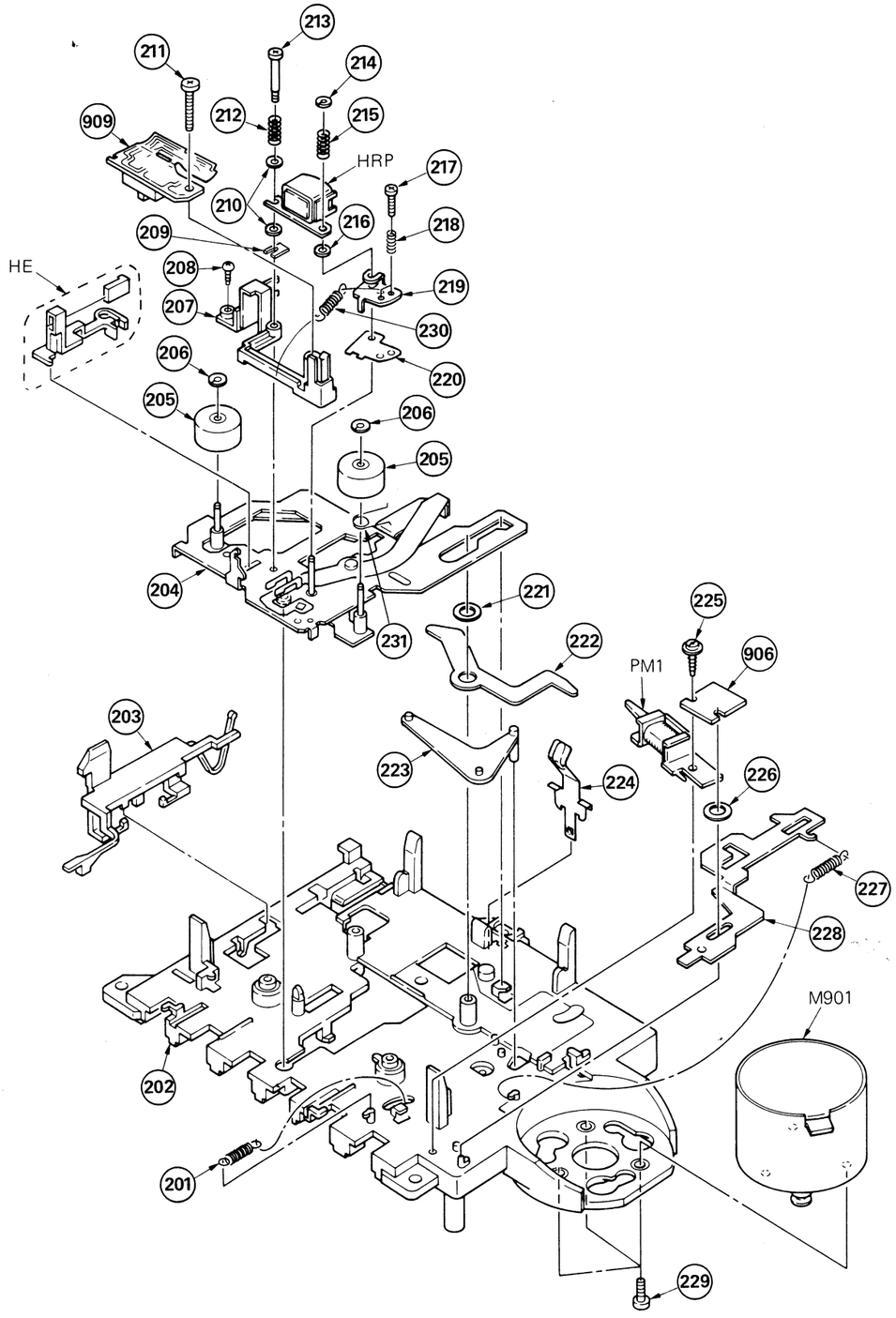


No.	Part No.	Description	Remarks
151	*3-322-587-01	PLATE (B), LOCK	
152	*3-322-588-01	PLATE (A), LOCK	
153	3-322-667-01	SPRING	
154	X-3322-509-1	LEVER (D) ASSY, S.OFF	
155	3-322-555-01	LEVER (E), S.OFF	
156	3-322-577-01	SPRING	
157	*3-322-517-01	LEVER, AMS	
158	*X-3322-505-1	LEVER ASSY, FR	
159	3-322-578-01	SPRING	
160	3-322-516-11	LEVER, PAUSE BUTTON	
161	3-322-515-11	LEVER, REW BUTTON	
162	*3-322-585-11	LEVER, FF BUTTON	
163	3-322-673-01	SPRING, TENSION	
164	3-322-520-01	SPRING, TENSION	
165	*3-322-584-11	LEVER, PLAY BUTTON	
166	*3-322-591-11	LEVER, REC BUTTON	
167	*3-322-583-11	LEVER, STOP BUTTON	
168	3-328-102-01	SPRING, TENSION (POWER TENSION)	
169	3-322-575-01	SPRING	
170	3-322-554-01	ARM, REC LOCK	
171	*3-322-586-01	LEVER, DIRECTION	
172	3-322-513-01	COLLAR	
173	3-570-615-00	POLY-WASHER (DIA.1.2)	
174	3-322-550-01	GEAR (B), FWD	
175	3-322-509-01	GEAR (A), FWD	
176	3-322-576-01	SPRING	
177	*X-3322-504-1	ARM ASSY, FWD GEAR	
178	3-322-579-01	SPRING	
179	*3-322-589-01	LEVER, SWITCH	
180	3-322-689-01	RING	

(5)

No.	Part No.	Description	Remarks
201	3-573-468-00	SPRING, TENSION	
202	A-3102-061-A	CHASSIS ASSY, MECHANICAL	
203	3-322-512-01	LEVER, EJECT	
204	X-3322-503-1	CHASSIS ASSY, HEAD	
205	3-703-597-41	PINCH ROLLER, STANDARD	
206	3-307-948-01	WASHER, NYLON	
207	3-322-510-01	GUIDE, EBF	
208	7-621-955-35	SCREW, TOTSU PWH 2X5	
209	3-573-466-01	SPACER, HEAD	
	3-573-466-11	SPACER, HEAD	
210	7-688-001-03	W 2, SMALL	
211	7-621-772-68	SCREW (M2X12), SMALL, (+ -)	
212	3-318-106-01	SPRING (H), COMPRESSION	
213	3-322-567-01	SCREW, PAN, STEP	
214	3-570-615-11	POLY-WASHER (DIA.1.2)	
215	3-579-759-00	SPRING, COMPRESSION	
216	3-701-437-11	WASHER	
217	7-627-851-27	SCREW, PRECISION +P 1.4X5	
218	3-322-531-01	SPRING, COMPRESSION	
219	3-322-592-01	LEVER, AZIMUTH	
220	3-322-593-01	PLATE, AZIMUTH	
221	3-701-443-01	WASHER, 5	
222	*3-322-590-01	LEVER, DIRECTION RELEASE	
223	3-322-514-01	LINK (A)	
224	3-322-595-01	SPRING	
225	7-687-205-11	TOTSU PTPWH 2X8, TYPE2, SLIT	
226	3-701-437-01	WASHER	
227	3-328-101-01	SPRING, TENSION (POWER TENSION)	
228	*3-322-594-11	LEVER, MANUAL BUTTON	
229	7-621-770-87	SCREW +P 2.6X5	
230	3-322-520-01	SPRING, TENSION	
231	3-326-372-01	SPRING (C)	
906	*1-602-735-00	PC BOARD, SOLENOID	
909	1-614-798-11	PC BOARD, HEAD CHANGE SWITCH	
HE	A-3114-042-A	ARM ASSY, EBF	
HRP	8-825-537-60	HEAD, PLAYBACK (PP-238-3604E)	
M901	A-3133-210-A	MOTOR ASSY	
PM1	1-454-355-00	SOLENOID, PLUNGER	



SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	1-560-554-00	TERMINAL, SOLDERLESS			
902	*1-561-557-00	CONTACT, RECEPTACLE			
903	*1-561-585-00	HOUSING, CONNECTOR 4P			
904	*1-561-672-00	SOCKET, CONNECTOR 2P			
905	1-561-678-00	SOCKET, CONNECTOR 8P			
906	*1-602-735-00	PC BOARD, SOLENOID			
907	*1-612-999-11	PC BOARD, DC JACK			
908	*1-613-724-11	PC BOARD, LEAF SWITCH			
909	1-614-798-11	PC BOARD, HEAD CHANGE SWITCH			
910	*1-615-825-11	PC BOARD, HEADPHONE			
911	*1-615-826-11	PC BOARD, DIRECTION LED			
912	*A-3260-287-A	(US,Canadian)...MOUNTED PCB, MAIN			
	*A-3260-293-A	(UK).....MOUNTED PCB, MAIN			
	*A-3260-294-A	(AEP).....MOUNTED PCB, MAIN			
ANT	1-501-337-11	ANTENNA, TELESCOPIC			
C1	1-101-884-00	CERAMIC	56PF	5%	50V
C2	1-102-962-00	CERAMIC	30PF	5%	50V
C3	1-101-001-00	CERAMIC	0.001MF		50V
C4	1-161-039-00	CERAMIC	0.001MF	10%	25V
C5	1-161-013-00	CERAMIC	0.01MF	20%	25V
C6	1-102-962-00	CERAMIC	30PF	5%	50V
C7	1-161-013-00	CERAMIC	0.01MF	20%	25V
C8	1-101-001-00	CERAMIC	0.001MF		50V
C9	1-161-013-00	CERAMIC	0.01MF	20%	25V
C10	1-102-505-00	CERAMIC	6PF	0.5PF	50V
C11	1-102-671-00	CERAMIC	20PF	5%	50V
C12	1-102-973-00	CERAMIC	100PF	5%	50V
C13	1-101-576-21	CERAMIC	1.5PF	20%	50V
C14	1-161-013-00	CERAMIC	0.01MF	20%	25V
C15	1-161-059-00	CERAMIC	0.047MF	10%	25V
C16	1-161-059-00	CERAMIC	0.047MF	10%	25V
C17	1-102-505-00	CERAMIC	6PF	0.5PF	50V
C18	1-123-306-00	ELECT	47MF	20%	10V
C19	1-161-055-00	CERAMIC	0.022MF	20%	25V
C21	1-123-356-00	ELECT	10MF	20%	16V
C23	1-161-013-00	CERAMIC	0.01MF	20%	25V
C24	1-161-013-00	CERAMIC	0.01MF	20%	25V
C25	1-123-356-00	ELECT	10MF	20%	16V
C26	1-161-055-00	CERAMIC	0.022MF	20%	25V
C27	1-102-973-00	CERAMIC	100PF	5%	50V
C29	1-161-055-00	CERAMIC	0.022MF	20%	25V
C30	1-161-053-00	CERAMIC	0.015MF	10%	25V
C31	1-123-379-00	ELECT	0.47MF	20%	50V
C32	1-123-306-00	ELECT	47MF	20%	10V
C33	1-123-380-00	ELECT	1MF	20%	50V
C34	1-123-382-00	ELECT	3.3MF	20%	50V
C35	1-161-938-00	CERAMIC	0.001MF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C36	1-123-380-00	ELECT	1MF	20%	50V
C37	1-161-055-00	CERAMIC	0.022MF	20%	25V
C38	1-161-055-00	CERAMIC	0.022MF	20%	25V
C46	1-102-661-00	CERAMIC	3PF	0.25PF	50V
C47	1-123-607-00	ELECT	0.1MF	20%	50V
C52	1-161-039-00	CERAMIC	0.001MF	10%	25V
C53	1-161-039-00	CERAMIC	0.001MF	10%	25V
C54	1-102-973-00	(US,Canadian)...CERAMIC	100PF	5%	50V
C102	1-102-973-00	CERAMIC	100PF	5%	50V
C103	1-102-117-00	CERAMIC	820PF	10%	50V
C104	1-102-973-00	CERAMIC	100PF	5%	50V
C105	1-101-884-00	CERAMIC	56PF	5%	50V
C106	1-123-307-00	ELECT	100MF	20%	10V
C107	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C108	1-161-040-00	CERAMIC	0.0012MF	10%	25V
C109	1-123-356-00	ELECT	10MF	20%	16V
C110	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C111	1-123-608-00	ELECT	0.22MF	20%	50V
C112	1-161-057-00	CERAMIC	0.033MF	10%	25V
C113	1-123-356-00	ELECT	10MF	20%	16V
C114	1-101-001-00	(US,Canadian,UK)...CERAMIC	0.001MF		50V
C114	1-161-041-00	(AEP)...CERAMIC	0.0015MF	10%	50V
C115	1-123-307-00	ELECT	100MF	20%	10V
C116	1-123-307-00	ELECT	100MF	20%	10V
C117	1-124-471-00	ELECT	1000MF	20%	6.3V
C118	1-130-497-00	MYLAR	0.15MF	10%	50V
C119	1-123-382-00	ELECT	3.3MF	20%	50V
C121	1-161-043-00	(AEP)...CERAMIC	0.0022MF	10%	50V
C201	1-123-380-00	ELECT	1MF	20%	50V
C202	1-102-973-00	CERAMIC	100PF	5%	50V
C203	1-102-117-00	CERAMIC	820PF	10%	50V
C204	1-102-973-00	CERAMIC	100PF	5%	50V
C205	1-101-884-00	CERAMIC	56PF	5%	50V
C206	1-123-307-00	ELECT	100MF	20%	10V
C207	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C208	1-161-040-00	CERAMIC	0.0012MF	10%	25V
C209	1-123-356-00	ELECT	10MF	20%	16V
C210	1-161-047-00	CERAMIC	0.0047MF	10%	25V
C211	1-123-608-00	ELECT	0.22MF	20%	50V
C212	1-161-057-00	CERAMIC	0.033MF	10%	25V
C213	1-123-356-00	ELECT	10MF	20%	16V
C214	1-101-001-00	(US,Canadian,UK)...CERAMIC	0.001MF		50V
C214	1-161-041-00	(AEP)...CERAMIC	0.0015MF	10%	50V
C215	1-123-307-00	ELECT	100MF	20%	10V
C216	1-123-307-00	ELECT	100MF	20%	10V
C217	1-124-471-00	ELECT	1000MF	20%	6.3V
C218	1-130-497-00	MYLAR	0.15MF	10%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C219	1-123-382-00	ELECT	3.3MF	20%	50V
C221	1-161-043-00	(AEP)...CERAMIC	0.0022MF	10%	50V
C301	1-123-306-00	ELECT	47MF	20%	10V
C302	1-130-482-00	MYLAR	0.0082MF	5%	50V
C303	1-123-308-00	ELECT	220MF	20%	10V
C304	1-130-495-00	MYLAR	0.1MF	5%	50V
C305	1-161-057-00	CERAMIC	0.033MF	10%	25V
C306	1-161-059-00	CERAMIC	0.047MF	10%	25V
C307	1-123-379-00	ELECT	0.47MF	20%	50V
C308	1-123-382-00	ELECT	3.3MF	20%	50V
C309	1-123-381-00	ELECT	2.2MF	20%	50V
C310	1-123-318-00	ELECT	33MF	20%	16V
C311	1-123-333-00	ELECT	100MF	20%	16V
C312	1-123-332-00	ELECT	47MF	20%	16V
C313	1-123-308-00	ELECT	220MF	20%	10V
C314	1-124-445-00	ELECT	100MF	20%	16V
C315	1-123-321-00	ELECT	220MF	20%	16V
C316	1-123-306-00	ELECT	47MF	20%	10V
C317	1-123-325-00	ELECT	2200MF	20%	16V
C318	1-123-381-00	ELECT	2.2MF	20%	50V
C319	1-130-512-00	MYLAR	0.0047MF	10%	50V
C320	1-101-001-00	CERAMIC	0.001MF		50V
C321	1-101-001-00	CERAMIC	0.001MF		50V
C322	1-101-001-00	CERAMIC	0.001MF		50V
C323	1-136-163-00	MYLAR	0.068MF	10%	50V
C324	1-101-001-00	CERAMIC	0.001MF		50V
C325	1-123-307-00	ELECT	100MF	20%	10V
C501	1-123-307-00	ELECT	100MF	20%	10V
CF1	1-527-958-91	FILTER, CERAMIC			
CF2	1-527-870-00	FILTER			
CNJ6	1-507-954-11	JACK, EXTERNAL POWER (DC IN 9V)			
CNP1	*1-560-561-00	PIN, CONNECTOR 8P			
CNP2	*1-560-561-00	PIN, CONNECTOR 8P			
CNP3	*1-560-555-00	PIN, CONNECTOR 2P			
CNP4	*1-560-467-00	PIN, CONNECTOR 4P			
CT1-4 CV1-4	1-151-372-21	CAP, TUNING, POLYETHYLENE			
D1	8-719-911-19	DIODE 1SS119			
D2	8-719-911-19	DIODE 1SS119			
D3	8-719-768-71	DIODE 1S2687S-1			
D101	8-719-911-19	DIODE 1SS119			
D201	8-719-911-19	DIODE 1SS119			
D301	8-719-100-35	DIODE RD5.6EB2			
D501	8-719-901-35	DIODE SLP135B			
D502	8-719-901-35	DIODE SLP135B			
D504	8-719-907-31	DIODE SLP146B			
HE	A-3114-042-A	ARM ASSY, EBF			
HRP	8-825-537-60	HEAD, PLAYBACK (PP-238-3604E)			
IC1	8-759-801-24	IC LA1260S			
IC2	8-759-203-87	IC TA7343AP			
IC301	8-759-202-62	IC TA7668AP			
IC302	8-759-800-71	IC LA2010			
IC303	8-759-801-18	IC LA4182			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
J101	1-507-777-00	JACK, SMALL TYPE (EXT MIC L)			
J201	1-507-777-00	JACK, SMALL TYPE (EXT MIC R)			
J301	1-507-948-11	JACK (HEADPHONE)			
L1	*1-422-182-11	COIL, AIR-CORE			
L2	*1-422-175-11	(US,Canadian,UK)...COIL, AIR-CORE (OSC)			
L2	1-459-613-11	(AEP).....COIL (WITH CORE)			
L3	*1-422-174-11	COIL, AIR-CORE (RF)			
L4	1-402-077-11	ANTENNA, FERRITE-ROD (MW)			
L5	1-406-040-00	COIL (OSC)			
L18	1-408-579-00	MICRO INDUCTOR 220UH			
L301	1-407-484-00	MICRO INDUCTOR 3.3UH			
M901	A-3133-210-A	MOTOR ASSY			
MIC101	8-814-186-00	MICROPHONE UNIT (C-1014)			
PM1	1-454-355-00	SOLENOID, PLUNGER			
PS1	1-532-685-00	(UK)...LINK, IC (ICP-N20)			
Q1	8-729-884-03	TRANSISTOR 2SC2840-E			
Q2	8-729-266-82	TRANSISTOR 2SC2668-O			
Q3	8-729-883-92	TRANSISTOR 2SC2839			
Q101	8-729-606-33	TRANSISTOR 2SC2603F			
Q201	8-729-606-33	TRANSISTOR 2SC2603F			
Q301	8-729-811-24	TRANSISTOR 2SD1012			
Q302	8-729-606-33	TRANSISTOR 2SC2603F			
Q303	8-729-606-33	TRANSISTOR 2SC2603F			
Q304	8-729-117-54	TRANSISTOR 2SA1175			
Q305	8-729-606-33	TRANSISTOR 2SC2603F			
Q501	8-729-606-33	TRANSISTOR 2SC2603F			
R1	1-247-892-00	CARBON	360K	5%	1/6W
R2	1-247-831-00	CARBON	1K	5%	1/6W
R3	1-247-845-00	CARBON	3.9K	5%	1/6W
R4	1-247-879-00	(AEP).....CARBON	100K	5%	1/6W
R4	1-247-885-00	(US,Canadian,UK)...CARBON	180K	5%	1/6W
R5	1-247-791-00	(AEP).....CARBON	22	5%	1/6W
R5	1-247-794-00	(US,Canadian,UK)...CARBON	30	5%	1/6W
R6	1-247-800-00	CARBON	51	5%	1/6W
R7	1-247-890-00	CARBON	300K	5%	1/6W
R8	1-247-831-00	CARBON	1K	5%	1/6W
R10	1-247-853-00	CARBON	8.2K	5%	1/6W
R11	1-247-849-00	CARBON	5.6K	5%	1/6W
R12	1-247-835-00	CARBON	1.5K	5%	1/6W
R13	1-247-831-00	CARBON	1K	5%	1/6W
R14	1-247-855-00	CARBON	10K	5%	1/6W
R15	1-247-887-00	CARBON	220K	5%	1/6W
R16	1-247-840-00	CARBON	2.4K	5%	1/6W
R17	1-247-843-00	CARBON	3.3K	5%	1/6W
R18	1-247-843-00	CARBON	3.3K	5%	1/6W
R19	1-247-819-00	CARBON	330	5%	1/6W
R21	1-247-857-00	CARBON	12K	5%	1/6W
R24	1-247-819-00	CARBON	330	5%	1/6W
R28	1-247-879-00	CARBON	100K	5%	1/6W
R29	1-247-879-00	CARBON	100K	5%	1/6W
R31	1-247-879-00	CARBON	100K	5%	1/6W
R32	1-247-879-00	CARBON	100K	5%	1/6W
R33	1-247-887-00	CARBON	220K	5%	1/6W
R101	1-247-873-00	CARBON	56K	5%	1/6W
R102	1-247-874-00	CARBON	62K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R105	1-247-819-00	CARBON	330	5%	1/6W
R106	1-247-839-00	CARBON	2.2K	5%	1/6W
R107	1-247-868-00	CARBON	36K	5%	1/6W
R108	1-247-810-00	CARBON	130	5%	1/6W
R109	1-247-864-00	CARBON	24K	5%	1/6W
R110	1-247-858-00	CARBON	13K	5%	1/6W
R111	1-247-825-00	CARBON	560	5%	1/6W
R112	1-247-847-00	CARBON	4.7K	5%	1/6W
R113	1-247-831-00	CARBON	1K	5%	1/6W
R114	1-247-839-00	CARBON	2.2K	5%	1/6W
R115	1-247-803-00	CARBON	68	5%	1/6W
R117	1-247-843-00	CARBON	3.3K	5%	1/6W
R201	1-247-873-00	CARBON	56K	5%	1/6W
R202	1-247-874-00	CARBON	62K	5%	1/6W
R203	1-247-831-00	CARBON	1K	5%	1/6W
R204	1-247-823-00	CARBON	470	5%	1/6W
R205	1-247-819-00	CARBON	330	5%	1/6W
R206	1-247-839-00	CARBON	2.2K	5%	1/6W
R207	1-247-868-00	CARBON	36K	5%	1/6W
R208	1-247-810-00	CARBON	130	5%	1/6W
R209	1-247-864-00	CARBON	24K	5%	1/6W
R210	1-247-858-00	CARBON	13K	5%	1/6W
R211	1-247-825-00	CARBON	560	5%	1/6W
R212	1-247-847-00	CARBON	4.7K	5%	1/6W
R213	1-247-831-00	CARBON	1K	5%	1/6W
R214	1-247-839-00	CARBON	2.2K	5%	1/6W
R215	1-247-803-00	CARBON	68	5%	1/6W
R217	1-247-843-00	CARBON	3.3K	5%	1/6W
R301	1-247-853-00	CARBON	8.2K	5%	1/6W
R302	1-247-873-00	CARBON	56K	5%	1/6W
R303	1-247-795-00	(US,Canadian,AEP)...CARBON	33	5%	1/6W
R303	1-806-889-11	(UK).....THERMISTOR (POSITIVE)			
R304	1-247-875-00	CARBON	68K	5%	1/6W
R305	1-247-875-00	CARBON	68K	5%	1/6W
R306	1-247-827-00	CARBON	680	5%	1/6W
R307	1-247-903-00	CARBON	1M	5%	1/6W
R308	1-247-837-00	CARBON	1.8K	5%	1/6W
R309	1-247-855-00	CARBON	10K	5%	1/6W
R311	1-247-879-00	CARBON	100K	5%	1/6W
R312	1-247-813-00	CARBON	180	5%	1/6W
R313	1-247-845-00	CARBON	3.9K	5%	1/6W
R314	1-247-831-00	CARBON	1K	5%	1/6W
R315	1-247-783-00	CARBON	10	5%	1/6W
R316	1-247-837-00	CARBON	1.8K	5%	1/6W
R317	1-247-831-00	CARBON	1K	5%	1/6W
R318	1-247-813-00	CARBON	180	5%	1/6W
R319	1-247-817-00	CARBON	270	5%	1/6W
R320	1-247-827-00	CARBON	680	5%	1/6W
R321	1-247-791-00	(US,Canadian)...CARBON	22	5%	1/6W
R321	1-806-888-11	(UK).....THERMISTOR (POSITIVE)			
R322	1-247-825-00	CARBON	560	5%	1/6W
R323	1-247-831-00	CARBON	1K	5%	1/6W
R324	1-247-787-00	CARBON	15	5%	1/6W
R325	1-247-831-00	CARBON	1K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R326	1-247-807-00	CARBON	100	5%	1/6W
R501	1-247-903-00	CARBON	1M	5%	1/6W
R502	1-247-855-00	CARBON	10K	5%	1/6W
R503	1-247-817-00	CARBON	270	5%	1/6W
R504	1-247-827-00	CARBON	680	5%	1/6W
R505	1-247-827-00	CARBON	680	5%	1/6W
R506	1-247-817-00	CARBON	270	5%	1/6W
RV1	1-226-235-00	RES, ADJ, CARBON 5K			
RV301	1-230-093-00	RES, VAR, CARBON 20K/20K (TONE)			
RV302	1-230-094-00	RES, VAR, CARBON 50K/50K (VOLUME)			
S301	1-554-872-11	SWITCH, SLIDE			
S302	1-554-873-11	SWITCH, LEVER SLIDE (FUNCTION)			
S303	1-554-491-00	SWITCH, PUSH (1 KEY)(REC MUTE)			
S304	1-570-012-11	SWITCH, LEAF			
S501	1-570-018-11	SWITCH, SLIDE (DIRECTION)			
S901	1-570-013-11	SWITCH, LEAF			
SP901	1-503-462-11	SPEAKER, CONE (10CM)			
SP902	1-503-462-11	SPEAKER, CONE (10CM)			
T1	1-404-249-00	COIL, FM DETECTOR			
T2	1-404-551-11	IFT			
T3	1-403-872-00	TRANSFORMER, FM IF			
T301	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR			

ACCESSORY & PACKING MATERIAL

Part No.	Description
⚠ 1-463-354-00	(Canadian)...ADAPTOR, AC
⚠ 1-463-431-00	(UK).....ADAPTOR, AC (AC-230A)
⚠ 1-463-432-00	(AEP).....ADAPTOR, AC (AC-230A)
⚠ 1-463-487-00	(US).....ADAPTOR, AC (AC-190(W)USA)
3-326-360-01	CUSHION (UPPER)
3-326-361-01	(AEP,UK).....CUSHION (LOWER)
3-326-362-01	(US,Canadian)...CUSHION (LOWER)
3-326-363-01	INDIVIDUAL CARTON
3-533-397-00	BAG, POLYETHYLENE
3-565-234-00	POLYETHYLENE, FORMED (250X400)
3-703-908-01	(WHITE)....LABEL, COLOR
3-703-909-01	(YELLOW)...LABEL, COLOR
3-703-898-01	(GRAY).....LABEL, COLOR
3-760-501-21	(US,Canadian)...MANUAL, INSTRUCTION
3-760-501-31	(Canadian).....MANUAL, INSTRUCTION
3-760-501-41	(AEP,UK).....MANUAL, INSTRUCTION
3-795-748-21	(US)...SAFETY INSTRUCTIONS, HEADPHONE

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-951-765-11

English
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